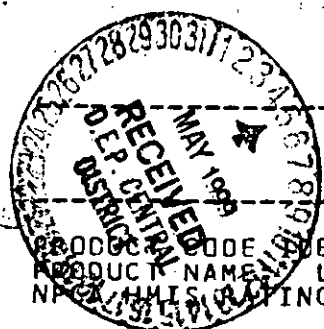


MATERIAL SAFETY DATA SHEET



SECTION I - IDENTIFICATION

IDENTITY: 945Y877
PRODUCT NAME: L/F ORANGE TOOLING
Hazard Classification: H F R
COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 919 E. 14th STREET
NORTH KANSAS CITY, MO 64116

REVISION: 17
DATE OF MSDS: 12-09-91
DATE PRINTED: 01-30-92
PREPARED BY:
HAZARD COMMUNICATION DEPT.

INFORMATION TELEPHONE: 816-391-6003 EMERGENCY TELEPHONE: 816-391-6000

CUSTOMER NAME: SEA RAY BOATS
100 SEA RAY DR
MERRITT ISLAND FL 32953

SECTION II HAZARDOUS INGREDIENTS

STYRENE MONOMER

% BY WT: 40.768 VAPOR PRESSURE: 4.50 MMHG @ 68F CAS# 000100-42-5

EXPOSURE LIMIT:

ACGIH TLV/TWA: 50 PPM (SKIN) (215 MG/CU.M.)
ACGIH TLV/STEL: 100 PPM (SKIN) (425 MG/CU.M.)
OSHA PEL/TWA: 50 PPM (215 MG/CU.M.)
OSHA PEL/CEILING: 100 PPM (425 MG/CU.M.)
LD50, Oral: 4.37 G/KG (RAT)
LD50, Dermal: >5 G/KG (RABBIT)
LC50, Inhalation: LCLO: 5000 PPM/8H (RAT)

SILICA, AMORPHOUS

% BY WT: 1 - 5 CAS# 007631-86-9

EXPOSURE LIMIT:

ACGIH TLV/TWA: 10 MG/CU.M. TOTAL DUST
OSHA PEL/TWA: 6 MG/CU.M. TOTAL DUST
LD50, Oral: >10 G/KG (RAT)
LD50, Dermal: NOT AVAILABLE
LC50, Inhalation: NOT AVAILABLE

METHYL METHACRYLATE

% BY WT: 4.997 VAPOR PRESSURE: 29.00 MMHG @ 68F CAS# 000080-62-6

EXPOSURE LIMIT:

ACGIH TLV/TWA: 100 PPM (410 MG/CU.M.)
OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
LD50, Oral: 7.9 G/KG (RAT)
LD50, Dermal: 35.5 G/KG (RABBIT)
LC50, Inhalation: >12,500 PPM/0.5H (RAT)

RECEIVED

JUN 17 1992

SECTION III PHYSICAL DATA

BUREAU OF
AIR REGULATION

Boiling Range: High- N/A Low- 212.0 F
Vapor Pressure: See Section II

Vapor Density: Heavier Than Air
Evaporation Rate: Slower than Ether
Theoretical Weight per Gallon, Calculated: 9.06
Theoretical Specific Gravity, Calculated: 1.08
Physical State: LIQUID
Appearance: ORANGE
Odor: MODERATE AROMATIC
Odor Threshold: N/A
pH: N/A
Freezing Point: N/A
Water Solubility: N/A
Coefficient of Water/Oil Distribution: N/A
Mechanical Impact Explosion: N/A
Static Electricity Explosion: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

OSHA Flammability Classification: Class 1C
DOT Hazard Class: Flammable Liquid
Actual Flashpoint Seta Closed Cup: 82.0
Explosion Level: Lower- 1.1

EXTINGUISHING MEDIA:
Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
If polymerization takes place in a container, there is possibility of violent rupture of the container. Styrene vapors are uninhibited and may form polymers in vents or flame arrestors of storage tanks resulting in stoppage of vents. Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.
Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material contains ingredients covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65).

OTHER HEALTH HAZARDS:

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans". This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

SECTION VI REACTIVITY DATA

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** May occur.

CONDITIONS TO AVOID:

Elevated temperatures. Improper addition of promoter and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If an accelerator such as cobalt drier is to be added, mix this accelerator with base material before adding catalyst.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Do not breathe or ingest vapors, spray mist or dust while applying, sanding, grinding, or sawing cured product. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapor, mist and dust levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits in the mixing, application and curing areas; and to remove decomposition product during welding and flame cutting on surfaces coated with this product. In confined areas, use only with forced ventilation adequate to keep vapor concentration below 20% of lower explosion limits. Refer to OSHA Standards 29CFR 1910.94, 1910.107, 1910.108.

NOTE: Heavy solvent vapors should be removed from lower levels of the work area and all ignition sources (nonexplosion-proof motors, etc.) should be eliminated.

PROTECTIVE GLOVES:

Use solvent impermeable gloves to avoid contact with product.

EYE PROTECTION:

Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE EQUIPMENT:

Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 120 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and

flame. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:

Containers should be grounded when pouring. Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

ADDITIONAL ENVIRONMENTAL INFORMATION:

Maximum VOC not consumed during curing is 40 gram/liter (or 230 grams/square meter of surface area open to air). Maximum VOC of uncatalyzed resins and gel coats is 600 grams/liter.

SECTION X Sara Title III Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

This law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

STYRENE MONOMER		
CAS#: 000100-42-5	Weight %:	40.768
METHYL METHACRYLATE		
CAS#: 000080-62-6	Weight %:	4.997

DISCLAIMER AND LIMITATION OF LIABILITY

To the best of our knowledge, the information contained herein is accurate. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The Buyer's sole and exclusive remedy against seller shall be for the replacement of the products or refund of the purchase price in the event that a defective condition of the products should be found to exist. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALE, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the products or refund of the purchase price of the products

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

945Y877

Page 6

if any defect in materials or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as seller is willing and able to replace the defective products or refund the purchase price. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the discovery of such defect. Final determination of the suitability of the material for the use contemplated, the manner of use and whether the suggested use infringes any patents is the sole responsibility of the Buyer.

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

TRADE NAME: POLYCOR
 DESCRIPTION: JET BLACK
 PRODUCT CODE IDENTITY: S44E104
 NPCA HMIS RATING: H 2* F 3 R 2
 REVISION: 01
 LAST REVISED: 11-19-91
 DATE OF ISSUE: 10-21-86
 COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
 ADDRESS: 519 E. 14th AVENUE
 NORTH KANSAS CITY, MO 64116
 PREPARED BY: HAZARD COMMUNICATION DEPT.
 CUSTOMER NAME: SEA RAY BOATS-SYKES CREEK
 574791 350 SEA RAY DRIVE
 INFORMATION TELEPHONE:
 COMPOSITES: 1-800-821-3590
 POLYMERS: 1-800-488-5541
 MERRITT ISLAND FL 32953
 ATTENTION: GARY MIRACLE

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CCP certifies that its products comply with all the provisions of the Toxic Substances Control Act (TSCA), unless otherwise stated by ingredient in Section II.

 *** The percent by weight composition data given in Sections II ***
 *** and XX are NOT SPECIFICATIONS, but are based on target ***
 *** formula values for each ingredient in the product. The data ***
 *** are presented as ranges for low hazard ingredients and single ***
 *** point values for ingredients of regulatory concern. Actual ***
 *** batch concentrations will vary within limits consistent with ***
 *** separately established product specifications. ***

SECTION II INGREDIENTS

1
 CAS# 001333-86-4
 CARBON BLACK
 PCT BY WT: .4220
 EXPOSURE LIMIT:
 OSHA TLV/TWA: 3.5 MG/CU.M.
 OSHA PEL/TWA: 3.5 MG/CU.M.
 LD50, Oral: NOT AVAILABLE
 LD50, Dermal: NOT AVAILABLE
 LC50, Inhalation: NOT AVAILABLE

2
 CAS# 000080-52-5
 METHYL METHACRYLATE
 PCT BY WT: 4.8250 VAPOR PRESSURE: 29.000 MMHG @ 68F
 EXPOSURE LIMIT:
 OSHA TLV/TWA: 100 PPM (410 MG/CU.M.)
 OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
 LD50, Oral: 7.9 G/KG (RAT)
 LD50, Dermal: 35.5 G/KG (RABBIT)
 LC50, Inhalation: >12.500 PPM/0.5H (RAT)

3
 CAS# 000100-42-5

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

944B104

STYRENE MONOMER

PCT BY WT: 33.4990 VAPOR PRESSURE: 4.500 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 50 PPM (SKIN) (213 MG/CU.M.)
ACGIH TLV/STEL: 100 PPM (SKIN) (426 MG/CU.M.)
OSHA PEL/TWA: 100 PPM
OSHA PEL/CEILING: ACCEPTABLE CEILING CONCENTRATION - 200 PPM
OSHA PEL/STEL: ACCEPTABLE PEAK (5 MIN/8 HR) - 500 PPM MAX.
LD50, Oral: 4.37 G/KG (RAT)
LD50, Dermal: >5 G/KG (RABBIT)
OTHER: LCLO: 5000 PPM/8H (RAT)

4

UNSATURATED POLYESTER RESIN

ON TSCA INVENTORY CAS# PROPRIETARY
PCT BY WT: 9 - 10
EXPOSURE LIMIT:
ACGIH TLV/TWA: NONE ESTABLISHED
OSHA PEL/TWA: NONE ESTABLISHED

5

CAS# 014807-96-6
TALC (HYDROUS MAGNESIUM SILICATE)

PCT BY WT: 10 - 20
EXPOSURE LIMIT:
ACGIH TLV/TWA: 2 MG/CU.M., RESPIRABLE DUST
OSHA PEL/TWA: 2 MG/CU.M., RESPIRABLE DUST
LD50, Oral: NOT AVAILABLE
LD50, Dermal: NOT AVAILABLE
LC50, Inhalation: NOT AVAILABLE

6

CAS# 112926-00-8
SILICA, AMORPHOUS-SILICA GEL

PCT BY WT: 1 - 5
EXPOSURE LIMIT:
ACGIH TLV/TWA: 10 MG/CU.M. (TOTAL DUST)
OSHA PEL/TWA: 6 MG/CU.M.
LD50, Oral: NOT AVAILABLE
LD50, Dermal: NOT AVAILABLE
LC50, Inhalation: NOT AVAILABLE

7

CAS# 001332-58-7
ALUMINUM SILICATE (KAOLIN)

PCT BY WT: 5 - 10
EXPOSURE LIMIT:
ACGIH TLV/TWA: 10 MG/CU.M.
OSHA PEL/TWA: 10MG/CU.M. (TOT DUST); 5MG/CU.M. (RESPIRABL FRAC)

8

UNSATURATED POLYESTER RESIN

ON TSCA INVENTORY AND CEPA DOMESTIC SUBSTANCES LIST CAS# PROPRIETARY
PCT BY WT: 10 - 20
EXPOSURE LIMIT:
ACGIH TLV/TWA: NONE ESTABLISHED
OSHA PEL/TWA: NONE ESTABLISHED

9

UNSATURATED POLYESTER RESIN

ON TSCA INVENTORY AND CEPA DOMESTIC SUBSTANCES LIST CAS# PROPRIETARY
PCT BY WT: 10 - 20
EXPOSURE LIMIT:
ACGIH TLV/TWA: NONE ESTABLISHED
OSHA PEL/TWA: NONE ESTABLISHED

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

9448104

SECTION III PHYSICAL DATA

Boiling Range: High- -N/A F Low- 212.00 F

Vapor Pressure: See Section II

Theoretical Weight per Gallon, Calculated: 10.11150 LB/GL

Theoretical Specific Gravity, Calculated: 1.2150 10.14

Maximum Theoretical VOC, Calculated: 3.9080 lb/gal 38.54% VOC
--If applicable, see Section IX for further VOC information--

Physical State: LIQUID

Appearance: BLACK

Odor: MODERATE AROMATIC

Odor Threshold: -N/A

pH: -N/A

Freezing Point: -N/A

Water Solubility: -N/A

Coefficient of Water/Oil Distribution: -N/A

Mechanical Impact Explosion: -N/A

Static Electricity Explosions: -N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

For Flash Points 73 to 100 deg. F.

OSHA Flammability Classification: Class IC

DOT Flammability Classification: Flammable Liquid

Lowest Closed Cup Flashpoint: 62.00 degrees F

Lower Flammable Limit in Air: Lower- 1.10 % by volume

DOT Shipping Name:

Flash Points 73 to 100 deg. F. = RESIN SOLUTION, 3, UN1666, PG III

EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If polymerization takes place in a container, there is possibility of violent rupture of the container. Vapors are uninhibited and may form polymers in vents or flame arrestors of storage tanks resulting in stoppage of vents. Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus

101139

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

9448164

should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

**ADDITIONAL TRANSPORTATION INFORMATION:

HMFC: 46030 RESIN COMPOUNDS, LIQUID LTL CLASS 55

SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1996" (Proposition 65), unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical.

OTHER HEALTH HAZARDS:

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans". This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

Talc, Hydrous Magnesium Silicate

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET944E104

ation of Carcinogenic Risks to Humans, Supplement 7, 1987", concludes there is limited evidence for the carcinogenicity of crystalline silica to humans, Class 2A. This classification was based on exposure to free silica dust and should not be relevant to trace amounts of crystalline silica dispersed in paints and plastics.

The IARC evaluation in Monograph 65 concluded that "there is sufficient evidence in experimental animals for the carcinogenicity of Carbon Black". Based on this evaluation, along with their evaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "carbon black is possibly carcinogenic to humans (Group 2B)". Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with PAH levels greater than 0.1% be considered suspect carcinogens.

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID:

Elevated temperatures. Improper addition of promoter and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If an accelerator such as cobalt drier is to be added, mix this accelerator with base material before adding catalyst.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Do not breathe or ingest vapors, spray mist or dust while applying, sanding, grinding, or sawing cured product. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapor, mist and dust levels are below applicable limits. Follow respirator manufacturer's directions for

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

944E104

respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits in the mixing, application and curing areas; and to remove decomposition product during welding and flame cutting on surfaces coated with this product. In confined areas, use only with forced ventilation adequate to keep vapor concentration below 30% of lower explosion limits. Refer to OSHA Standards 29CFR 1910.94, 1910.107, 1910.108.

NOTE: Heavy solvent vapors should be removed from lower levels of the work area and all ignition sources (nonexplosion-proof meters, etc.) should be eliminated.

PROTECTIVE GLOVES:

Use solvent impermeable gloves to avoid contact with product.

EYE PROTECTION:

Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE EQUIPMENT:

Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 100 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:

Containers should be grounded when pouring. Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

ADDITIONAL ENVIRONMENTAL INFORMATION:

The VOC quantity listed in Section III is a maximum loss value. Under typical conditions only half of this amount might be lost to the atmosphere. Loss will vary due to temperature, humidity, film thickness, air movement, spray equipment/techniques, catalyzation, gel and cure rates, etc. If precise loss values are needed, it is suggested that on site testing be conducted.

 COOK COMPOSITES AND POLYMERS CO.
 MATERIAL SAFETY DATA SHEET

944E104

 SECTION XX Sara Title III Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

This law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

METHYL METHACRYLATE

CAS# 000080-62-6 PCT BY WT: 4.6250

STYRENE MONOMER

CAS# 000100-42-5 PCT BY WT: 33.4990

 DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

MATERIAL SAFETY DATA SHEET

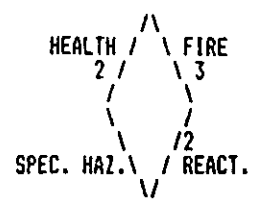
101154
~~101147~~

MSDS NUMBER: 3885
PART NUMBER: 3885
PRODUCT NAME: INT. BILGE GRAY 101154 GEL COAT
CAS NUMBER: - 0
CHEMICAL NAME: RESIN SOLUTION, FLAMMABLE

SECTION I

MANUFACTURER: POLYGARD, INC.
ADDRESS: 5010 N. COOLIDGE AVE.
TAMPA, FL 33614
EMERGENCY TELEPHONE NUMBER: (800)424-9300
INFORMATION TELEPHONE NUMBER: (813)877-7591
DATE PREPARED: 10/24/96

HMSIS RATINGS:
HEALTH: 2
FIRE: 3
REACTIVITY: 2
PERSONAL PROTECTION: 6



SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS NUMBER	HAZARDOUS COMPONENT	NTP	IARC	SUB- PART/2	SARA 313	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED PERCENT
100-42-5	STYRENE MONOMER, INHIBITED	N	Y	Y	Y	50ppm	50ppm	28.147
- 0	MIXTURE, RESIN	N	Y	Y	Y	50PPM	50PPM	29.474
14907-96-6	TALC (fibrous)	N	N	N	N	2.00mg/m3	2.00mg/m3	23.737
1317-65-3	CALCIUM CARBONATE	N	N	N	N	10mg/m3	10mg/m3	15.824
136-52-7	COBALT OCTUATE 12X	N	Y	N	Y	0.1mg/m3	.02mg/m3	00.316
13463-67-7	TITANIUM DIOXIDE TiO2	N	N	N	N	15mg/m3	10mg/m3	01.978
- 0	PARAFFINS	N	N	N	N	NI	NI	00.010
112945-52-5	AEROSIL	N	N	N	Y	20MPPCF	10mg/m3	00.237
1333-86-4	MIXTURE, PIGMENT	N	N	N	N	3.5mg/m3	3.5mg/m3	00.119
9005-64-5	SORBAX PML-20	N	N	N	N	NI	NI	00.158

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT	295 DEG.F	SPECIFIC GRAVITY (H2O = 1)	1.15000
VAPOR PRESSURE (mm Hg.)	NI	MELTING POINT	NI
VAPOR DENSITY (AIR = 1)	HEAVIER	EVAPORATION RATE (Butyl Acetate = 1)	SLOWER

SOLUBILITY IN WATER: NI

APPEARANCE AND ODOR: LIQUID, STYRENE ODOR

OTHER INFORMATION: VOLATILES VOLUME:30-70Z

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 89 DEG. F. FLAMMABLE LIMITS: LEL: 1.1 UEL: NI

EXTINGUISHING MEDIA: WATER SPRAY, REGULAR FOAM, WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, OR ANY CLASS B EXTINGUISHING AGENT.
HAZARDOUS PRODUCTS OF COMBUSTION: MAY FORM; CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS.
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER SOURCES OF IGNITION AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

SPECIAL FIRE FIGHTING PROCEDURES: WEAR A SELF CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL EQUIPMENT SECTION OF THIS MSDS.

Equipment should be decontaminated after use.

UNUSUAL FIRE FIGHTING PROCEDURES: AT ELEVATED TEMPERATURES, SUCH AS IN A FIRE, POLYMERIZATION MAY TAKE PLACE. IF POLYMERIZATION TAKES PLACE IN A CLOSED CONTAINER, THERE IS THE POSSIBILITY OF VIOLENT RUPTURE OF THE CONTAINER. PRODUCT VAPORS MAY FORM AN EXPLOSIVE MIXTURE IN AIR.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS OR ANY OXIDIZING AGENTS.
HEAT AND DIRECT SUNLIGHT.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA (Continued)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: MAY FORM CARBON MONOXIDE AND DIOXIDE, VARIOUS HYDROCARBONS. HEATING OF THIS MATERIAL MAY CAUSE THE EMISSION OF IRRITATING, ACRID FUMES.

HAZARDOUS POLYMERIZATION: MAY OCCUR. AVOID EXPOSURE TO EXCESSIVE HEAT, PEROXIDES AND POLYMERIZATION CATALYST.

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: EYE CONTACT
INHALATION
SKIN CONTACT
SKIN ABSORPTION

HEALTH HAZARDS (ACUTE AND CHRONIC): EYE EXPOSURE: CAUSES SEVERE EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, AND SWELLING.

SKIN EXPOSURE: EXPOSURE CAUSES SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING AND CRACKING, SKIN BURNS AND SKIN DAMAGE. SKIN ABSORPTION IS POSSIBLE, BUT HARMFUL EFFECTS ARE NOT EXPECTED FROM THIS ROUTE OF EXPOSURE UNDER NORMAL CONDITIONS OF HANDLING AND USE.

SWALLOWING: SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR LUNG DAMAGE.

INHALATION: EXPOSURE TO VAPOR MISTS IS POSSIBLE. SHORT-TERM INHALATION TOXICITY IS LOW. BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; BREATHING LARGE AMOUNTS MAY BE HARMFUL. SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS.

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED STYRENE AS POSSIBLY CARCINOGENIC TO HUMANS (CLASS 2B). THE IARC 2B CLASSIFICATION IS NOT BASED IN SIGNIFICANT NEW EVIDENCE THAT STYRENE MIGHT BE A CARCINOGEN, BUT ON A REVISED IARC CLASSIFICATION SCHEME AND NEW DATA ON STYRENE OXIDE.

STYRENE

LD50 (ORAL/RAT) 56M/KG; LD50 (DRML/RABBIT) 2820M6/KG;
LC50 (INHL/RAT) 246M/M3/4H

SIGNS AND SYMPTOMS OF EXPOSURE: METALLIC TASTE, GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, RESPIRATORY TRACT), CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION, (HEADACHE, DIZZINESS, DROWSINESS, FATIGUE, WEAKNESS, NAUSEA, UNCONCIOUSNESS) AND OTHER CNS EFFECTS, IMPAIRED COORDINATION, CONFUSION, LIVER DAMAGE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES: EYES: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. SEEK IMMEDIATE MEDICAL ATTENTION.

SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREAS WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK MEDICAL ATTENTION. LAUNDER CLOTHING PRIOR TO REUSE.

SWALLOWING: DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF INDIVIDUAL IS DROWSY OR UNCONCIOUS. PLACE ON LEFT SIDE WITH HEAD DOWN. SEEK MEDICAL ATTENTION. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.

INHALATION: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION. KEEP PERSON WARM AND QUIET. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN.

OTHER HEALTH WARNINGS: EXPOSURE LEVEL (STEL) ARE 100 PPM FOR A 15 MINUTE PERIOD.

EXPOSURE TO STYRENE MAY EXCEED THE STEL DURING A 15 MINUTE PERIOD (NO CEILING FOR BRIEF EXPOSURE), HOWEVER THE AVERAGE FOR A SINGLE STEL PERIOD MUST NOT EXCEED 100 PPM.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE SATURATED CLOTHING PROMPTLY AND WASH EFFECTED AREAS WITH SOAP AND WATER. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA, USE PROTECTIVE MEASURES IN SECTION VIII.

IF LARGE SPILL, DIKE THE AREA TO PREVENT THIS MATERIAL FROM ENTERING WATER SYSTEMS OR SEWERS. THIS MATERIAL CONTAINS STYRENE AND IS SUBJECT TO REPORTING REQUIREMENTS OF CERCLA AND/OR SARA (40 CFR PARTS 302 & 355):
RQ (REPORTABLE QUANTITY) STYRENE = 1000 LBS.

WASTE DISPOSAL METHOD: THIS MATERIAL HAS BEEN TESTED AND FOUND TO HAVE A FLASH POINT BELOW 140F. IF DISCARDED, THIS MATERIAL AND ITS CONTAINERS SHOULD BE TREATED AS HAZARDOUS WASTES BASED ON THE CHARACTERISTICS OF IGNITEABILITY AS DEFINED UNDER THE FEDERAL RCRA REGULATIONS (40CFR 261). DISPOSAL OF THIS MATERIAL AND ITS CONTAINER, REQUIRES COMPLIANCE WITH APPLICABLE LABELING, PACKAGING, AND RECORD KEEPING STANDARDS. EXTREME CARE SHOULD BE TAKEN TO ENSURE THAT IT IS DISPOSED OF ONLY IN A FACILITY PERMITTED FOR DISPOSAL OF HAZARDOUS WASTES.

FOR FURTHER INFORMATION, CONTACT YOUR STATE OR LOCAL SOLID WASTE AGENCY OR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S RCRA HOTLINE (800) 424-9346 OR 202)382-3000.

ABSORB WITH INERT MATERIALS SUCH AS VERMICULITE OR SAND IN A CLOSED CONTAINER FOR DISPOSAL AS A SOLID WASTE. WASH AREA WELL WITH TRISODIUM PHOSPHATE AND WATER. DISPOSAL MUST CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID IMPROPER ADDITION OF PROMOTER AND/OR CATALYST. AVOID DIRECT SUNLIGHT, OPEN FLAMES, CONTAMINATION AND PROLONGED STORAGE ABOVE 100 DEG. (F).
CONSULT PRODUCT TECHNICAL BULLETIN AND READ PRODUCT PACKAGE LABEL. A PROMOTER (METAL ORGANIC SUCH AS COBALT OR ANILINE TYPE) AND

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE (Continued)

CATALYST (ORGANIC PEROXIDE TYPE) USED WITH THIS PRODUCT SHOULD ALWAYS BE MIXED SEPERATELY WITH THE PRODUCT AND SHOULD NEVER BE MIXED TOGETHER.

OTHER PRECAUTIONS: NI

SECTION VIII - CONTROL MEASURES

VENTILATION REQUIREMENTS: General ventilation is required during normal use.

Local ventilation may be required during certain operations to keep exposure levels below the TLV listed in Section II of this data sheet.

Provide sufficient mechanical (General and/or Local exhaust).

Ventilation to maintain exposure below TLV(s)

ACGIH TLV: 50.000PPM-TWA (SKIN)

ACGIH: TLV:100.000PPM-STEL(SKIN)

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT ARE EXCEEDED (SEE EXPOSURE GUIDELINES) A MIOSH/MSHA APPROVED RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

SKIN: WEAR IMPERVIOUS CLOTHING AND BOOTS, WEAR RESISTANT GLOVES SUCH AS POLYETHYLENE, TO PREVENT REPEATED OR PROLONGED SKIN CONTACT. EYES:CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER OSHA REGULATIONS ALSO PERMIT OTHER TYPE(S) OF SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

OTHER:SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

NIOSH/MSHA APPROVEDRECOMMENDED***

HYGENIC PRACTICES:STANDARD GOOD HOUSEKEEPING AND HEALTH PRACTICES.

SECTION IX - ADDITIONAL INFORMATION

ADDITIONAL MANUFACTURER WARNINGS:

TOXICOLOGICAL INFORMATION: NO DATA

ECOLOGICAL DATA: NO DATA

DISPOSAL CONSIDERATION:

WASTE MANAGEMENT INFORMATION: CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DESTROY BY LIQUID INCINERATION IN ACCORDANCE WITH APPLICABLE REGULATIONS.

TRANSPORT INFORMATION:

DOT INFORMATION: -49CFR 172.101

DOT PROPER SHIPPING NAME:

RESIN SOLUTION, 3(FLAMMABLE LIQUID), UN1866, III

CONTAINER/MODE:

5-GALLON-PAIL

55 GALLON-DRUM

NOS COMPONENT: NONE

RO (REPORTABLE QUANTITY) STYRENE=1000 LBS.

US FEDERAL REGULATIONS: TSCA (TOXIC SUBSTANCE CONTROL ACT) STATUS

TSCA (UNITED STATES) THE INTENTIONAL INGREDIENTS OF THIS PRODUCT ARE LISTED.

SARA 302 COMPONENTS-40CFR 355 APPENDIX A

SECTION 311/312 HAZARD CLASS -40CFR 370.2

APPLICABLE: IMMEDIATE/DELAYED/FIRE/REACTIVE #NO SUDDEN RELEASE OF PRESSURE.

SARA 313 COMPONENTS-40CFR 372.65

SECTION 313 COMPONENT(S)

STYRENE CAS#100425 MAX %100.00

INTERNATIONAL REGULATIONS INVENTORY STATUS:NOT DETERMINED

STATE AND LOCAL REGULATIONS: NI

OTHER PRECAUTIONS AND COMMENTS:

***THIS MATERIAL SAFETY DATA SHEET AND THE INFORMATION IT CONTAINS IS OFFERED TO YOU IN GOOD FAITH AS ACCURATE. WE HAVE REVIEWED ANY INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET (S) WHICH WE RECEIVED FROM SOURCES OUTSIDE OUR COMPANY.

WE BELIEVE THAT INFORMATION TO BE CORRECT BUT CANNOT GUARANTEE ITS ACCURACY OR COMPLETENESS. HEALTH AND SAFETY PRECAUTIONS IN THIS MATERIAL SAFETY DATA SHEET MAY NOT BE ADEQUATE FOR ALL INDIVIDUALS AND OR SITUATIONS.

IT IS THE USER'S OBLIGATION TO EVALUATE AND USE THIS PRODUCT SAFELY AND TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS. NO STATEMENT MADE IN THIS MATERIAL SAFETY DATA SHEET(S) SHALL BE CONSTRUED AS A PERMISSION OR RECOMMENDATION FOR THE USE OF ANY PRODUCT IN A MANNER THAT MIGHT INFRINGE EXISTING PATENTS. NO WARRANTY IS MADE, EITHER EXPRESSED OR IMPLIED.

IS THE SOLE INTEREST OF POLYGARD, INC. TO MEET AND COMPLY WITH ALL OSHA & EPA REGULATIONS. PLEASE REVIEW THE ENCLOSED MATERIAL SAFETY DATA SHEET(S) , IF YOU HAVE ANY QUESTIONS PLEASE CONTACT US IMMEDIATELY.***

SECTION IX - ADDITIONAL INFORMATION (Continued)

OCCUPATIONAL HEALTH AND SAFETY DEPARTMENT
POLYGARD, INC.

101410

MATERIAL SAFETY DATA SHEET
INFORMATION TELEPHONE NO. (800) 275-6353

JUL 25 1995

Reichhold Chemicals, Inc.

Box 13582
Arch Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Issue Date: 02/13/95

Page 1

SECTION I - PRODUCT IDENTIFICATION

SDS Number: 33441-00 - Polygard Fire Ret
Trade Name: POLYLITE(R) 33441-00
Product Class: Unsaturated Polyester
A.S. Number: Mixture
MIS Rating: Health = 2* Fire = 3 Reactivity = 2-C

SECTION II - INGREDIENTS

Ingredients	CAS #	Maximum Content	Exposure Limits
Polyester resin	Proprietary	57.0 %	None assigned
Styrene Monomer	100-42-5	38.0 %	50.0 ppm
Hexachloroethane	67-72-1	3.0 %	1.0 ppm
alpha-Methylstyrene	98-63-5	1.0 %	50.0 ppm
Trimethyl Glycol	Proprietary	1.8 %	None assigned
Triethyl Phosphate	78-40-0	3.0 %	None assigned

SECTION III - PHYSICAL DATA

Boiling Point: 295 Deg. F. Vapor Density: Heavier than Air.
Volatiles %: 38 - 42 Specific Grav: 1.20 - 1.24
Evaporation Rate: Slower than n-Butyl Acetate.
Appearance: Purple opaque liquid-Pungent odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1C Flash Point: 89 Deg. F. LEL : 1.1

EXTINGUISHING MEDIA:

Water spray, foam, dry chemical, carbon dioxide or any Class B extinguishing agent.

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

UNUSUAL FIRE & EXPLOSION HAZARDS:

At elevated temperatures, such as in a fire, polymerization may take place. If polymerization takes place in a closed container, there is the possibility of violent rupture of the container. Product vapors may form an explosive mixture in air.

MATERIAL SAFETY DATA SHEET
INFORMATION TELEPHONE NO. (800) 275-6353

Reichhold Chemicals, Inc.

P O Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

MSDS Number: 33441-00#

Issue Date: 02/13/95

Page 2

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:

OSHA PEL and ACGIH TLV for styrene are both 50 ppm for an 8-hour Time Weighted Average (TWA). The OSHA and ACGIH Short Term Exposure Level (STEL) are 100 ppm for a 15-minute period.

Exposure to styrene may exceed the STEL during a 15-minute period (no ceiling for brief exposures), however the average for a single STEL period must not exceed 100 ppm.

The OSHA PEL and the ACGIH TLV for Hexachloroethane is currently set at 1 ppm for an 8-hour TWA.

The OSHA PEL and the ACGIH PEL for alpha-methylstyrene are both set at 50 ppm for an 8-Hour TWA and 100 ppm for a 15-minute Short Term Exposure Level (STEL).

There is no OSHA PEL or ACGIH TLV established for the brominated glycol in this product. However, manufacturer of the brominated glycol recommends 7 mg/cu. meter as the airborne exposure limit.

EFFECTS OF OVEREXPOSURE:

SKIN: Prolonged or frequent contact may cause defatting and dryness of the skin with resultant irritation and possible dermatitis. Styrene may be absorbed through the skin in toxic amounts.

EYES: May cause irritation. Liquid splashes may result in more serious injuries. May cause lachrymation (tears).

INHALATION: Vapors may cause mucous membrane irritation and upper respiratory tract discomfort. High concentrations may result in headache, nausea, insensibility and other central nervous system effects. Repeated exposure to high concentrations may cause liver and kidney damage.

INGESTION: May cause gastrointestinal disturbances, pain and discomfort.

-FIRST AID:

SKIN: Wash with soap and water.

EYES: Flush with copious amounts of water for 15 minutes. Seek immediate medical aid.

INHALATION: Remove victim from exposure. If victim is unconscious, administer artificial respiration and/or oxygen as needed. Seek medical aid.

INGESTION: DO NOT INDUCE VOMITING (aspiration hazard). Seek immediate medical aid.

PRIMARY ROUTE(S) OF ENTRY:

Inhalation and Skin Absorption.

Repeated or excessive exposure to the brominated glycol in this (cont.)

MATERIAL SAFETY DATA SHEET
INFORMATION TELEPHONE NO. (800) 275-6353

Reichhold Chemicals, Inc.

Box 13582
Reichhold Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Issue Date: 02/13/95
MSDS Number: 33441-00#

Page 3

SECTION V - HEALTH HAZARD DATA (cont.)

-PRIMARY ROUTE(S) OF ENTRY: (cont.)

product can cause adverse liver, eye and thyroid effects.

-TOXICOLOGICAL INFORMATION:

The International Agency for Research on Cancer (IARC) has classified styrene as possibly carcinogenic to humans (class 2B). The IARC 2B classification is not based on significant new evidence that styrene might be a carcinogen, but on a revised IARC classification scheme and new data on styrene oxide.

STYRENE:

LD50 (ORAL/RAT) 5 GM/KG; LD50 (DRML/RABBIT) 2820 MG/KG;

LC50 (INHL/RAT) 24 GM/M3/4H

HEXACHLOROETHANE:

LD50 (ORAL/RAT) 4460 MG/KG; LD50 (DRML/RABBIT) 32 G/KG

ALPHA-METHYLSTYRENE:

LD50 (ORAL/RAT) 4900 MG/KG; LC50 (INHL/RAT) 3020 MG/M3

TRIETHYL PHOSPHATE:

LD50 (ORAL/RAT) 1600 MG/KG

SECTION VI - REACTIVITY DATA

STABILITY: [] Unstable [x] Stable

HAZARDOUS POLYMERIZATION: [x] May occur [] Will not occur

COMPATIBILITY:

Strong acids and oxidizing agents.

CONDITIONS TO AVOID:

Heat and direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS:

Heating of this material to decomposition may cause the emission of irritating, acrid fumes.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand and place in a closed container. If large spill, dike the area to prevent this material from entering water systems or sewers.

This material contains the following ingredients which, if spilled or released in quantities equal to or greater than the (cont.)

MATERIAL SAFETY DATA SHEET
INFORMATION TELEPHONE NO. (800) 275-6353

Reichhold Chemicals, Inc.

P O Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

MSDS Number: 33441-00#

Issue Date: 02/13/95

Page 4

SECTION VII - SPILL OR LEAK PROCEDURES (cont.)

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: (cont.)

Reportable Quantity (RQ), are subject to the reporting requirements of CERCLA and/or SARA (40 CFR Parts 302 & 355):

Styrene Monomer

RQ Value = 1000 lbs.

Hexachloroethane

RQ Value = 100 lbs.

-WASTE DISPOSAL METHOD:

This material has been tested and found to have a flash point below 140 F. If discarded, this material and containers should be treated as hazardous wastes based on the characteristic of ignitability as defined under the federal RCRA regulations (40 CFR 261). Disposal of this material and its container, requires compliance with applicable labeling, packaging, and record keeping standards. Extreme care should be taken to ensure that it is disposed of only in a facility permitted for disposal of hazardous wastes.

For further information, contact your state or local solid waste agency or the United States Environmental Protection Agency's RCRA hotline (1-800-424-9346 or 202-382-3000).

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

If a TLV or PEL listed in section V of this data sheet is exceeded, then suitable respiratory protection must be worn to prevent overexposure.

VENTILATION:

General ventilation is required during normal use.

Local ventilation may be required during certain operations to keep exposure levels below the TLV listed in Section II of this data sheet.

-PROTECTIVE GLOVES:

Wear appropriate impervious gloves to prevent skin contact.

-EYE PROTECTION:

Wear face shield or chemical goggles.

-OTHER PROTECTIVE EQUIPMENT:

Wear protective clothing to prevent skin contact.

Eye wash station and safety shower should be available.

MATERIAL SAFETY DATA SHEET
INFORMATION TELEPHONE NO. (800) 275-6353

Reichhold Chemicals, Inc.

Box 13582
Research Triangle Park, NC 27709

ALL CHEMICAL EMERGENCIES
1-800-424-9300

Issue Date: 02/13/95 MSDS Number: 33441-00#

Page 5

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid storage above 100 Deg. F. Avoid prolonged or repeated skin contact. Avoid inhalation of heated vapors or spray mists.

-OTHER PRECAUTIONS:

Avoid improper addition of promoter and/or catalyst. A promoter and catalyst used with this product should always be mixed separately with the product and must never be mixed together.

SECTION X - SUPPLEMENTAL INFORMATION

REGULATORY INFORMATION:

SCAQMD Rule 1162 establishes specific process, control, housekeeping, and recordkeeping requirements for fabrication operations using polyester resin materials. It is the responsibility of the fabricator to ensure compliance with these requirements.

Styrene is NOT currently listed as a carcinogen by California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

-SARA & WHMIS HAZARD CLASSIFICATIONS:

This material has been categorized as having the following hazard(s) as defined by SARA Title III regulations (40 CFR 370): acute, chronic, fire, reactive.

CANADIAN WHMIS CLASSIFICATION: B2,D2A,D2B

-SARA SECTION 313 LISTED INGREDIENTS:

The following ingredients in this material are subject to the reporting requirements of section 313 of SARA and 40 CFR 372 [see Section II for percentage of ingredient(s)]:

Styrene monomer (100-42-5)

Hexachloroethane (67-72-1)

-DOT PROPER SHIPPING NAME:

RESIN SOLUTION, 3, UN1866, III

-SDS PREPARATION INFORMATION:

PREPARED BY: Product Safety & Compliance Department
Research Triangle Park, North Carolina, 27709
(919) 990-7500

This information is provided in good faith and is correct to the best of Reichhold's knowledge as of the date hereof; however, Reichhold makes no representation as to its completeness or accuracy. Customers are encouraged to make their own determination as to the suitability of this product for their purpose prior to use. Reichhold disclaims responsibility for damages of any kind resulting from the use of this information. THERE ARE NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THIS INFORMATION OR TO THE PRODUCT IT DESCRIBES.

10-120-101436 PAGE

MATERIAL SAFETY DATA SHEET

SECTION I IDENTIFICATION

TRADE NAME: POLYCOR
DESCRIPTION: BLACK TOOLING
PRODUCT CODE IDENTITY: 945B201
MPCA NMIS RATING: H 2* F 3 R 2
COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 919 E. 14th AVENUE
NORTH KANSAS CITY, MO 64116

REVISION: 21
LAST REVISED: 01-26-96
DATE OF ISSUE: 08-28-95

PREPARED BY:
HAZARD COMMUNICATION DEPT.

CUSTOMER NAME: SEA RAY BOATS-MERRITT ISL
220094 100 SEA RAY DR

INFORMATION TELEPHONE:

COMPOSITES: 1-800-821-3590
POLYMERS: 1-800-488-5541

MERRITT ISLAND FL 32963
ATTENTION: LAURIE DOBS

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CCP certifies that its products comply with all the provisions of the Toxic Substances Control Act (TSCA), unless otherwise stated by ingredient in Section II.

The percent by weight composition data given in sections II and XX are NOT SPECIFICATIONS, but are based on target formula values for each ingredient in the product. The data are presented as ranges for low hazard ingredients and single point values for ingredients of regulatory concern. Actual batch concentrations will vary within limits consistent with separately established product specifications.

SECTION II INGREDIENTS

1
CAS# 000080-62-6
METHYL METHACRYLATE
PCT BY WT: 4.3920 VAPOR PRESSURE: 29.000 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 100 PPM (410 MG/CU.M.)
OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
LD50, Oral: 7.9 G/KG (RAT)
LD50, Dermal: 35.5 G/KG (RABBIT)
LC50, Inhalation: >12,500 PPM/0.5H (RAT)

2
CAS# 000100-42-5
STYRENE MONOMER
PCT BY WT: 42.4650 VAPOR PRESSURE: 4.500 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 50 PPM (SKIN) (213 MG/CU.M.)
ACGIH TLV/STEL: 100 PPM (SKIN) (426 MG/CU.M.)
OSHA PEL/TWA: 100 PPM
OSHA PEL/CEILING: ACCEPTABLE CEILING CONCENTRATION - 200 PPM
OSHA PEL/STEL: ACCEPTABLE PEAK (5 MIN/3 HR) - 500 PPM MAX.
LD50, Oral: 4.37 G/KG (RAT)
LD50, Dermal: >5 G/KG (RABBIT)
OTHER: LCLO: 5000 PPM/8H (RAT)

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

9458201

3

UNSATURATED POLYESTER RESIN
ON TSCA INVENTORY AND CEPA DOMESTIC SUBSTANCES LIST CAS# PROPRIETARY
PCT BY WT: 20 - 30
EXPOSURE LIMIT:
ACGIH TLV/TWA: NONE ESTABLISHED
OSHA PEL/TWA: NONE ESTABLISHED

SECTION III PHYSICAL DATA

Boiling Range: High- -N/A F Low- 212.00 F
Vapor Pressure: See Section II
Theoretical Weight per Gallon, Calculated: 9.09700 LB/GAL
Theoretical Specific Gravity, Calculated: 1.0930
Maximum Theoretical VOC, Calculated: 4.3150 lb/gal
--If applicable, see Section IX for further VOC information--
Physical State: LIQUID
Appearance: BLACK
Odor: MODERATE AROMATIC
Odor Threshold: -N/A
pH: -N/A
Freezing Point: -N/A
Water Solubility: -N/A
Coefficient of Water/Oil Distribution: -N/A
Mechanical Impact Explosion: -N/A
Static Electricity Explosion: -N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Points 73 to 100 deg. F.
OSHA Flammability Classification: Class IC
DOT Flammability Classification: Flammable Liquid
Lowest Closed Cup Flashpoint: 62.00 degrees F
Lower Flammable Limit in Air: Lower- 1.10 % by volume
DOT Shipping Name:
Flash Points 73 to 100 deg. F. = RESIN SOLUTION, 3, UN1666, PG III
EXTINGUISHING MEDIA:
Foam, carbon dioxide, dry chemical, water fog.

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

945B201

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If polymerization takes place in a container, there is possibility of violent rupture of the container. Vapors are uninhibited and may form polymers in vents or flame arrestors of storage tanks resulting in stoppage of vents. Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

**ADDITIONAL TRANSPORTATION INFORMATION:

NMFC: 46030 RESIN COMPOUNDS, LIQUID LTL CLASS 55

SECTION V- HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act" of 1986 (Proposition 65), unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical

OTHER HEALTH HAZARDS:

Agency for Research on Cancer (IARC) has reclassified this material as "probably carcinogenic to humans". This new health data relating to either

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

945B201

humane or animal, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 48 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID:

Elevated temperatures. Improper addition of promoter and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If an accelerator such as cobalt drier is to be added, mix this accelerator with base material before adding catalyst.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Do not breathe or ingest vapors, spray mist or dust while applying, sanding, grinding, or sawing cured product. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapor, mist and dust levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits in the mixing, application and curing areas; and to remove decomposition product during welding and flame cutting on surfaces coated with this product. In confined areas, use only with forced ventilation adequate to keep vapor concentration below 20% of lower explosion limits. Refer to OSHA Standards 29CFR 1910.94, 1910.107, 1910.108.

AUG 26 '96 11:10AM CCP

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

9458201

specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

METHYL METHACRYLATE
CAS# 000080-62-6 PCT BY WT: 4.3920

STYRENE MONOMER
CAS# 000100-42-5 PCT BY WT: 42.4650

DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

Application of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

15-60-101485

MATERIAL SAFETY DATA SHEET

Delta Laboratories, INC.
P.O. BOX 2258
OCALA, FL 32678

INFORMATION TELEPHONE NO.: 904-629-3101
EMERGENCY TELEPHONE NO.: 800-424-9300

PREPARATION DATE: 06/23/91

REPLACES DATE: 06/06/91

PREPARER: KMC

SECTION I - PRODUCT IDENTIFICATION

BLACK LATEX COATING
LATEX
698015845

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	OCCUPATIONAL EXPOSURE LIMITS (TLV-TWA)	SKIN DESIGNATION	VAPOR PRESSURE mmHg 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
ETHYLENE GLYCOL	107-21-1	10%	N/E	N/E	NO	NO	YES
CRYSTALINE SILICA	14808-60-7	25%	0.1 mg/m3	N/E	NO	YES	NO

Yarnish 3/25/93

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372.

N.A. - NOT APPLICABLE N.E. - NOT ESTABLISHED

SECTION III - PHYSICAL DATA

BOILING RANGE : 212- 388 F
 COLOR : SLIGHT AMINE
 APPEARANCE : BLACK LIQUID *3/25/93*
 VOLATILE BY WEIGHT: 57.0% - *VOC 2.99% by wt. rest is water*
 VOLATILE BY VOLUME: 70.0%
 VAPOR DENSITY : IS HEAVIER THAN AIR
 EVAPORATION RATE: IS SLOWER THAN ETHER
 SOLUBILITY : SOLUBLE IN H2O
 PRODUCT DENSITY : 10.1 LBS./GAL. (US)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

FLASH POINT: N.A.

LEL: N.A.

HAZARD - NOT APPLICABLE

UEL: N.A.

DOT - NOT APPLICABLE

EXTINGUISHING MEDIA: CARBON DIOXIDE DRY CHEMICAL FOAM WATER FOG

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. CLOSED CONTAINERS MAY EXPLODE DUE TO PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIREFIGHTING PROCEDURES: WEAR FULL-PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS. WATER MAY BE USED TO COOL UNRUPTURED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE EXPLOSION.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION. <<<INHALATION>>>VAPORS CAN IRRITATE MUCOUS MEMBRANES. CAN CAUSE HEADACHE, NAUSEA, DIZZINESS, VOMITING, FATIGUE AND IMPAIRMENT OF COORDINATION. <<<INGESTION>>>CAN CAUSE NAUSEA, VOMITING, IRRITATION AND DIARRHEA. <<<<SKIN>>> Prolonged or repeated contact can cause irritation, defatting and dermatitis. Overexposure can cause blood, lungs, liver and kidney damage. Cancer hazard. Contains crystalline silica which can cause cancer. Risk of cancer depends on duration and level of exposure. <<EYES>>>CAN CAUSE IRRITATION, REDNESS, TEARING AND BLURRED VISION.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: DERMATITIS.

ROUTE(S) OF ENTRY: DERMAL INHALATION INGESTION

EMERGENCY AND FIRST AID PROCEDURES: <<<<INHALATION>>>REMOVE TO FRESH AIR. RESTORE BREATHING. TREAT SYMPTOMATICALLY. CONSULT A PHYSICIAN. <<<<EYES>>>FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL TREATMENT. <<<<SKIN>>>WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS. <<<<INGESTION>>>DRINK 1-2 LARGE GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING!!! IF VOMITING OCCURS DO NOT ALLOW VOMITUS TO BE BREATHED INTO LUNGS. EVEN SMALL AMOUNTS MAY CAUSE CHEMICAL PNEUMONITIS AND PULMONARY EDEMA AND/OR HEMORRAGE. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN IMMEDIATELY.

SECTION VI - REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: SMOKE, CARBON MONOXIDE, CARBON DIOXIDE AND POTENTIALLY OTHER TOXIC GASES MAY BE RELEASED WHEN HEATED TO DECOMPOSITION.

CONDITIONS TO AVOID: HIGH TEMPERATURE AND POOR VENTILATION.

INCOMPATIBILITY: STRONG OXIDIZERS, ACIDS AND CAUSTICS.

=====

SECTION VII - SPILL OR LEAK PROCEDURES

=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: EVACUATE NON-ESSENTIAL PERSONNEL FROM IMMEDIATE AREA. VENTILATE AREA IF POSSIBLE. AVOID BREATHING VAPORS. USE RESPIRATOR AND COLLECT WITH INERT ABSORBANT AND NON-SPARKING TOOLS.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. BEFORE ATTEMPTING CLEAN-UP, REFER TO HAZARD CAUTION INFORMATION IN SECTIONS I, V AND VI.

=====

SECTION VIII - SAFE HANDLING AND USE INFORMATION

=====

RESPIRATORY PROTECTION: IF VENTILATION IS NOT ADEQUATE TO REDUCE VAPORS BELOW TLV LISTED IN SECTION II, USE A SELF-CONTAINED, POSITIVE PRESSURE BREATHING APPARATUS OR A NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC VAPORS. USER MUST BE PROPERLY TRAINED AND FITTED TO ASSURE EFFECTIVE PROTECTION.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW CURRENT OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S TLV LIMIT.

PROTECTIVE GLOVES: GLOVES ARE RECOMMENDED TO PREVENT SKIN CONTACT.

EYE PROTECTION: USE SAFETY EYEWARE INCLUDING SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES OR FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT: A PROTECTIVE APRON IS RECOMMENDED FOR SPLASH PROTECTION.

HYGIENIC PRACTICES: STORE PERSONAL ITEMS SUCH AS CIGARETTES AND GUM AWAY FROM WORK AREA.

=====

SECTION IX - SPECIAL PRECAUTIONS

=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID STORAGE ABOVE 120F. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT TRANSFER TO UNLABELED CONTAINERS.

OTHER PRECAUTIONS: FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY.

=====

SECTION X - HMIS RATINGS

=====

HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: G

=====

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.



PDI, Inc.
 Mailing Address: PO Box 130, Circle Pines, MN 55014
 Shipping Address: 3760 Flowerfield Rd, Circle Pines, MN 55014
 Phone: (612) 785-2156 Fax: (612) 785-2058

*Estimated
 N/A-Not Applicable
 N/R-Not Restricted
 N/E-Not Established



The PDI Family of Products That Work

MATERIAL SAFETY DATA SHEET

NOTE: BLANK SPACES ARE NOT PERMITTED. IF ANY ITEM IS NOT APPLICABLE, THE SPACE MUST BE MARKED TO INDICATE THAT

IDENTITY
 (As shown on label or package) *Plasti Dip (Red) 15-70 101923* **PART NO. IF APPLICABLE**

SECTION I

MANUFACTURER'S NAME P.D.I., Inc. **EMERGENCY PHONE No.** 1-800-424-9300

ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) 3760 Flowerfield Road **SIGNATURE OF PREPARER:** (Optional)

Circle Pines, Minnesota 55014 **MANUFACTURER'S PHONE No. FOR INFORMATION** 612-785-2156

DATE MSDS WAS PREPARED March 1, 1993

SECTION II - HAZARDOUS INGREDIENTS INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater.

HAZARDOUS COMPONENTS CHEMICAL IDENTITY AND COMMON NAME (S)	% WL (OPTIONAL)	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMEND
Methyl Ethyl Ketone	8	78-93-3	200ppm	200ppm	None
VN1 & P Naphtha	33	64742-48-9	500ppm	300ppm	None
Toluene	15	108-88-3	100ppm	100ppm	None
Resins	26	N/A	N/A	N/A	N/A
Hexane	18	1105-43	50ppm	50ppm	None

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT 151F-300F **Specific Gravity (H2O = 1)** 0.92 - 0.94 **APPROXIMATE WEIGHT PER GALLON (LBS)** 6.91

VAPOR PRESSURE (MM HG) 113mm Hg @ 30 **VAPOR DENSITY (AIR = 1)** 2.5 up to 4.1 **EVAPORATION RATE (BUTYL ACETATE = 1)** 6.3

SOLUBILITY IN WATER Insoluble **% VOLATILE** 74% **OTHER (IF ANY)** None

APPEARANCE AND ODOR Various Colors. Honey Like Substance - Characteristic Odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) <2F-ASTM D-93 **FLAMMABLE LIMITS** **LEL** 1.0 **U.E.L.** 11.4

EXTINGUISHING MEDIA Carbon Dioxide, Dry Chemical, or Foam

SPECIAL FIRE FIGHTING PROCEDURES Self contained breathing apparatus with a full face piece, operated in pressure demand or other positive pressure mode

UNUSUAL FIRE AND EXPLOSION HAZARDS This material is flammable and may be ignited by heat, sparks, flame or static electricity.

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION Carbon Dioxide and/or Carbon Monoxide.

EXPLOSIVE LIMITS (% BY VOLUME IN AIR) 1.0-11.5

SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION

HAZARD RATING
 4-EXTREME
 3-HIGH
 2-MODERATE
 1-SLIGHT
 0-INSIGNIFICANT
 **SEE SECTION IV

National Fire Protection Association (NFPA)
FIRE 1 **REACTIVITY** 0
HEALTH 2 **SPECIAL HAZARDS** None

Post-It™ brand fax transmittal memo 7671 # of pages > 4

To	Lori	From	
Co.	Sea Ray Boats	Co.	PDI
Dept.		Phone #	

SECTION VI - REACTIVITY AND STABILITY DATA			
STABILITY	UNSTABLE	STABLE X	CONDITIONS TO AVOID None
INCOMPATIBILITY (Materials to Avoid) Strong acids, bases, oxidizing agents, selected amines and with alkali metals and halogens.			
HAZARDOUS DECOMPOSITION OR BY PRODUCTS Carbon Monoxide, Carbon Dioxides.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR X	CONDITIONS TO AVOID None
SECTION VII - HEALTH HAZARD DATA			
ROUTES OF ENTRY	INHALATION? Yes	SKIN? Yes	INGESTION? Yes EYES? Yes
HEALTH HAZARDS	ACUTE X	See Signs and Symptoms of Exposure below.	
	CHRONIC X	Brain and Nervous System Damage (Referred to as solvents or painters syndrome). Drying or Cracking skin.	
CARCINOGENICITY: No	NTP?	IARC Monographs?	OSHA Regulated?
SIGNS AND SYMPTOMS OF EXPOSURE			
Headache, Dizziness, Drowsiness, Fatigue, Irregular Heartbeat, Skin and Eye Irritation.			
Target Organs: CNS, CVS, PNS, Liver, Kidneys, Lungs, Respiratory System, Skin.			
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Pre-existing Heart, Liver, Kidney and Lung disorders.			
EMERGENCY AND FIRST AID PROCEDURES			
Ingestion: Contact Physician or Poison Control Immediately.			
Inhalation: Remove to fresh air. Administer Oxygen or Artificial Respiration if Necessary.			
Eye Contact: Flush with large amounts of water. If irritation persists, contact Physician.			
Skin: Wash with soap and water.			
SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
Wipe up with floor absorbent. Transfer to hood. Prevent run-off to sewers.			
Eliminate all sources of ignition. Ventilate to maintain exposure below P.E.L.'s. Use sand or other material to dam or contain spills. If large spill, notify appropriate state and local agencies.			
WASTE DISPOSAL METHODS Dispose of product in accordance with local, county, state and federal regulations.			
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE			
Keep away from sparks, flame and high heat sources. Do not store above 120F. Store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with liquid product. Use good personal hygiene practices.			
OTHER PRECAUTIONS			
Keep Container Closed When Not In Use. All containers should be disposed of in an environmentally safe manner accordance with governmental regulations.			
SECTION IX - CONTROL MEASURES			
RESPIRATORY PROTECTION (SPECIFY TYPE) Organic Vapor Cartridge, NIOSH/MSHA approved or use approved supplied air equipment.		PROTECTIVE GLOVES Impervious	
VENTILATION	LOCAL EXHAUST Supplemental (if needed)	SPECIAL None	
	MECHANICAL (GENERAL) To maintain exposure below P.E.L.'s	OTHER None	
EYE PROTECTION Chemical splash goggles or approved eye protection.	OTHER PROTECTIVE CLOTHING OR EQUIPMENT Impervious Clothing/Boots as needed.		
WORK HYGIENIC PRACTICES Wash thoroughly after handling.			
SECTION X - TRANSPORTATION INFORMATION (Optional)			
D.O.T. PROPER SHIPPING NAME Coating Solution		D.O.T. HAZARD CLASS Flammable Liquid	
IF A "CONSUMER COMMODITY ORM-D", WHAT IS THE QUALIFYING CHEMICAL Toluene			
D.O.T. I.D. No. (N/U OR N/A) UN1139		HAZARD LABEL OR MARKING REQUIRED ON SHIPPER CTN.	
IATA PROPER SHIPPING NAME Coating Solution		IATA HAZARD CLASS Flammable Liquid	IMO No. N/A
SECTION XI - J13 SUPPLIER NOTIFICATION			
THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, 40 CFR 372, (see table on page 1 for CAS # and percent by weight). Methyl Ethyl Ketone and Toluene			
WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. Toluene			

This is the "back" when printed in duplex. Page 2 of 2 pages if not duplex.

Prepared By: Thomas W. Miller

Approved By: M. R. [Signature]

Date: June 18, 1993

MATERIAL SAFETY DATA SHEET



THE SHERWIN - WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
2 - JAN - 92

©1992, The Sherwin-Williams Co.

SHER-WOOD® Moisture Resistant Lacquer

T70

SECTION II		ACGIH	OSHA	UnRe	Vapor	T70C20	T70F22	T70F23
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	TLV <STEL>	PEL <STEL>		Pressure (mm Hg)	Gloss	Med. Rubbed Effect	Dull Rubbed Effect
64742-48-9	V. M. & P. Naphtha	300	300 <400>	PPM	12.0	12	13	13
108-88-3 §	Toluene	100 <150>	100 <150>	PPM	22.0	3	3	3
1330-20-7 §	Xylene	100 <150>	100 <150>	PPM	5.9	4	4	4
67-63-0 §	2-Propanol	400 <500>	400 <500>	PPM	33.0	11	11	11
78-83-1	2-Methyl-1-Propanol	50	50	PPM	8.7	10	10	10
78-93-3 §	Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0	3	3	3
110-43-0	Methyl n-Amyl Ketone.	50	100	PPM	2.1	2	2	2
1049-07 110-96-6	Isobutyl Acetate.	150	150	PPM	12.5	21	21	21
7831-86-9	Amorphous Silica	10	6	Mg/M3 as Dust				1
Weight per Gallon (lbs.)						7.36	7.37	7.39
Solids by Weight (%)						24.1	24.5	24.8
Solids by Volume (%)						16.4	16.6	16.7
Volatile Organic Compounds (VOC - lbs./gal.)						5.58	5.57	5.56
Photochemically Reactive						No	No	No
Flash Point (°F)						22	23	22
HMIS (NFPA) Rating (health - fire - reactivity)						2 3 0	2 3 0	2 3 0

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

SH. R-WOOD Moisture Resistant Lacquer

70

Section III — PHYSICAL DATA

PRODUCT WEIGHT - See TABLE	EVAPORATION RATE - Slower than Ether
SPECIFIC GRAVITY - 0.88	VAPOR DENSITY - Heavier than Air
BOILING RANGE - 174-325° F	MELTING POINT - N.A.
VOLATILE VOLUME - 84 %	SOLUBILITY IN WATER - N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT See TABLE LEL 0.9 UEL 12.7
Flammable. Flash below 100 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING.
Give several glasses of water. Get medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Methyl Ethyl Ketone may increase the nervous system effects of other solvents.
Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Section VI — REACTIVITY DATA

STABILITY - Stable

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY - 1B

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g) (4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET



THE SHERWIN - WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44113

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - Feb - 93

©1993 The Sherwin-Williams Co

Reducers

15-10-102491

SOL/3

SECTION II						Acetone R6 K 9		Methyl Ethyl Ketone R6 K 10		Butyl Cellosolve R5 K 23		Reducer 51 R7 K 14	
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGM TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	154-9718 154-8783	154-8775	154-2406 154-8734 (153-7588) (153-7786) (153-7801) (153-8024) (153-8263)	154-2414				
100-41-4	§ Ethylbenzene	100	100										
100-29-7	§ Xylene	100	100	PPM	7.7								
64-17-5	§ Ethanol	<150>	<150>	PPM	5.9								
111-76-2	§ 2-Guatoxyethanol	1000	1000	PPM	44.0								22
67-64-1	§ Acetone	25	25	PPM (Skin)	2.6								73
78-83-3	§ Methyl Ethyl Ketone	750	750	PPM	180.0		100			100			
108-10-1	§ Methyl Isobutyl Ketone	<200>	<200>	PPM	70.0								
	Weight per Gallon (lbs.)	50	50	PPM	16.0				100				
	Weight per Gallon (lbs.)	<75>	<75>										51
	Volatiles Organic Compounds (VOC) - lbs./gal.					6.59		5.60		7.45		6.75	
	Photochemically Reactive					6.59		6.66		7.46		6.75	
	Flash Point (°F)					No		No		No		Yes	
	DOL Storage Category							1B		1B		55	
	Flammability Classification					1B		1B		2		1B	
	HMS (NFPA) Rating (health - flammability - reactivity)					Flammable		Flammable		Combustible		Flammable	
						1 3 3		2 3 0		2 2 0		2 3 0	

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

→→→ MSDS Text Page Follows →→→

102491

Jan. 11 1994 3:03PM PG

PHONE NO. : 407 639 4377

Reducers

SOL/3

Section III - PHYSICAL DATA

PRODUCT WEIGHT - See TABLE	EVAPORATION RATE - Slower than other
SPECIFIC GRAVITY - 1.38-0.61	VAPOR DENSITY - Heavier than Air
BOILING RANGE - 132-292 °F	MELTING POINT - N.A.
VISCOSITY - 100 cP	SOLUBILITY IN WATER - N.A.

Section IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT See TABLE LEL 1.0 UEL 12.8
See TABLE

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

CRITICAL FIRE AND EXPLOSION HAZARDS
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure buildup and possible explosions or eruptions when applied to extreme heat.

Section V - HEALTH HAZARD DATA

ROUTES OF EXPOSURE
Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.
Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

IDENTITY AND FIRST AID PRECAUTIONS

IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
IF ON SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

IF IN EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

IF SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. See medical attention.

CHRONIC HEALTH HAZARDS
No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.
Methyl Ethyl Ketone may increase the nervous system effects of other solvents.
Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, and reproductive systems.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI - REACTIVITY DATA

STABILITY - Stable

INCOMPATIBILITY
None known.

HAZARDOUS DECOMPOSITION PRODUCTS
By Fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHODS
Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 301. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone also require testing for extractability.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII - PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

VENTILATION
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.68, 1910.104.

RESPIRATORY PROTECTION
If personal exposure cannot be controlled to an applicable limit by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE CLOTHING
Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION
Wear safety spectacles with unperforated side shields.

Section IX - PRECAUTIONS

DO NOT STORE CONTAINER - See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
During use and until all vapors are gone, keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off flames, electrical tools and appliances, and any other sources of ignition.
Consult MSHA Data. Use approved bonding and grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
Intentional abuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coating materials to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we assume no liability, express or implied, and accept no liability in connection with any use of this information.

T67 F 2

15-100-102525

13

MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS
(Approved by U.S. Department of Labor 'Essentially Similar' to form OSHA-20)

MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, Ohio 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917

DATE OF PREPARATION
11-Apr-86

INFORMATION TELEPHONE NO.
(216) 566-2902

Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER
T67 F 2

* - Trade Mark

PRODUCT NAME
SHER-WOOD* Vinyl Sanding Sealer

PRODUCT CLASS
Vinyl Alkyd Urea Coating

Section II -- HAZARDOUS INGREDIENTS

CAS No.	INGREDIENT	PERCENT	TLV-PPM	TLV-MG/M3	LEL	V.P.
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent.	10	100.	364.	1.0	53.0
64742-48-9	U. M. & P. Naphtha.	10	300.	1350.	0.9	12.0
108-88-3	Toluene.	15	100.	375.	1.0	22.0
1330-20-7	Xylene.	<5	100.	435.	1.0	5.9
67-56-1	Methanol	<5	200.	260.	6.0	92.0
64-17-5	Ethanol	10	1000.	1900.	3.3	44.0
67-63-0	2-Propanol	<5	400.	980.	2.0	33.0
79-87-1	2-Methyl-1-Propanol	5	50.	150.	1.2	8.7
73-93-3	Methyl Ethyl Ketone.	15	200.	390.	1.8	70.0
110-19-0	Isobutyl Acetate.	<5	150.	700.	1.3	12.5

Section III -- PHYSICAL DATA

EVAPORATION RATE -- Slower than Ether
 VAPOR DENSITY -- Heavier than Air
 BOILING RANGE (F) 148 - 320
 % VOLATILE VOLUME 86.6
 WT/GAL 7.18
 80.45.71 #/gal = 685g/l

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION
FLASH POINT 25 F PMCC
LEL 6.9

RFI LABEL -- Flammable, Flash below 100 F.

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE -- See Section II

EFFECTS OF OVEREXPOSURE

ACUTE: In a confined area vapors in high concentration are anesthetic. Overexposure may result in lightheadedness and staggering gait.
Irritant to skin and upper respiratory system.

CHRONIC: Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

EMERGENCY AND FIRST AID PROCEDURES

If **INHALED:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on **SKIN:** Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

If in **EYES:** Flush eyes with large amounts of water for 15 minutes.
Get medical attention.

If **SWALLOWED:** Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** Give several glasses of water. Seek medical attention.

Section VI -- REACTIVITY DATA

STABILITY -- Stable

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride

HAZARDOUS POLYMERIZATION -- Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Incinerate in approved facilities. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

Protect against dust which may be generated by sanding or abrading the dried film.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear respiratory device approved by NIOSH/MSHA for protection against materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

STORAGE CATEGORY -- 1B**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Contents are **FLAMMABLE**. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

This coating contains materials classified as nuisance particulates, for example titanium dioxide, calcium carbonate, etc. (see ACGIH TLV List, Preface and Appendix D), which may be present at hazardous levels only during sanding or abrading of the dried film.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



10-117-102574

Polyester Specialty's & Mfg., Inc.

FACTORY
221 Benson Junction Rd.
DeBary, Florida 32713
407-668-8244
1-800-451-5345

MATERIAL SAFETY DATA SHEET

MAILING ADDRESS
P. O. BOX 502
DEBARY, FL 32713

407-668-5774

PSM CODE NO. BP485-Resin Putty

I. IDENTIFICATION

PRODUCT NAME: Filled Saturated Polyester Resin Solution
COMMON NAME: Structural Putty
DOT HAZARD CLASS: Flammable Liquid
UN/NA NO. UN 1866
DOT SHIPPING NAME: Resin Solution

MANUFACTURER: Polyester Specialty's & Mfg., Inc.
221 Benson Junction Road
DeBary, Florida 32713
Office: 1-800-451-5345
Home: 407/668-8947

INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	% WT.	CAS NO.	EXPOSURE LIMITS		HAZARD DATA
			OSHA-PEL	ACGIH-TLV	
Filled Saturated Polyester Base Resin	56-73	See attached index	None Established	None Established	Flammable. May be toxic if absorbed through the skin. Possibly Carcinogenic. *Styrene is identified as a SARA Section 313 toxic chemical.
Styrene	28-43	100-42-5	TWA-50 ppm STEL-100 ppm	TWA-50 ppm STEL-100 ppm	
N,N-Diethylaniline	1-2	91-66-7	TWA-2 ppm (skin)	TWA-2 ppm (skin)	

III. PHYSICAL DATA

BOILING POINT (°F) (Styrene)	293	SPECIFIC GRAVITY (H ₂ O = 1)	1.1
MELTING POINT (°F)	Not Applicable	PERCENT, VOLATILE (Styrene by wt. %)	20-62
VAPOR PRESSURE (mm Hg.) (Styrene)	5.2	pH	Not Applicable
VAPOR DENSITY (AIR = 1) (Styrene)	3.6	SOLUBILITY IN WATER	Negligible

APPEARANCE AND ODOR:
Clear viscous liquid; sharp styrenated odor

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) Pensky-Marten closed cup 90°F	FLAMMABLE LIMITS Styrene	Lel	Uel
		1.1%	6.1%

EXTINGUISHING MEDIA
Carbon dioxide, dry chemical (small fires); foam and water fog (large fires)

SPECIAL FIRE FIGHTING PROCEDURES
Spray tanks and drums with water. Firefighters should wear self-contained breathing equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS High temperature exposure for extended periods of time will result in spontaneous uncontrolled exothermic polymerization.

9.17#/gal

V. REACTIVITY DATA

Stability	Unstable	<input checked="" type="checkbox"/>	CONDITIONS TO AVOID: Exposure to excessive heat or open flame; storage in open containers; prolonged storage (6 months)
	Stable	<input type="checkbox"/>	

INCOMPATIBILITY (materials to avoid)
Strong acids, peroxides and other oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, organic acids

Hazardous Polymerization	May Occur	<input checked="" type="checkbox"/>	CONDITIONS TO AVOID: Exposure to heat, open flame or contamination with oxidizing agents, avoid storage above 38°C
	Will Not Occur	<input type="checkbox"/>	

VI. SPILL OR LEAK PROCEDURES

TRANSPORTATION EMERGENCIES
Call CHEMTREC 800-424-9300

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Remove all ignition sources and open flames. Increase ventilation to maximize vapor dispersal. Dike large spills to prevent runoff or entry into sewers or waterways. Cover spill with inorganic absorbent material (vermiculite). Sweep up and place in labelled drums. Styrene is on the CERCLA hazardous substance list of 1980, as amended, and reportable spills must be reported to the National Response Center.

In case of release to the environment, report spills to 800-424-8802, The National Response Center.

WASTE DISPOSAL METHOD:

EPA Waste Identification No. D001

Place in container and dispose of in accordance with local, state and federal regulations.

For hazardous waste regulations call 800-424-9346, the RCRA Hotline.

VII. HEALTH HAZARD DATA Polyester Group III

EFFECTS OF OVEREXPOSURE:

Primary effects of this product will probably be due to styrene.

INHALATION: High levels may cause drowsiness, nausea,

headache, fatigue, narcosis, cynosis, labored respiration, paralysis and convulsion. Extreme exposure may cause a confused state.

SKIN CONTACT: Irritation may occur, with prolonged exposure possibly developing to dermatitis. If eczematous develops, this most

often occurs on the back of hands, wrists and forearms. May be absorbed rapidly through the skin and cause systemic toxicity (See

Inhalation effects and Section IX, Other Comments). **EYE CONTACT:** Irritation of the mucous membranes. **INGESTION:** Sore throat,

abdominal pain and vomiting may occur. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with chronic respiratory

disorders (i.e., asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate mat-

ter exposure.

MAJOR EXPOSURE HAZARD

INHALATION SKIN CONTACT EYE CONTACT INGESTION

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove from exposure. If breathing is stopped or is difficult, administer artificial respiration or oxygen as indicated. Seek medical aid. If symptoms of exposure persist, consult physician.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation occurs, seek medical aid.

EYE CONTACT: Flush with large amounts of water, lift upper and lower eyelids occasionally. Seek medical aid.

INGESTION: Do not induce vomiting. Seek medical aid.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY: Respiratory protection approved by NIOSH/MSHA for organic vapors should be used to avoid inhalation of excessive air contaminants. Appropriate respirator selection depends on the type and magnitude of exposure.

SKIN: Chemical resistance data for barrier materials used should be determined based on the use of this product. Neoprene, nitrile and polyvinyl alcohol protective garments have been suggested for protection against materials of this chemical class. (ACGIH-Guidelines for the Selection of Chemical Protective Clothing, 1983).

EYE: Employees should be required to wear chemical safety glasses to prevent eye contact with splashed material. A face shield should be used when appropriate to prevent contact with splashed materials.

VENTILATION: Local exhaust ventilation should be used to control the emission of air contaminants. General dilution ventilation may assist with the reduction of air contaminant concentrations.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash stations and deluge safety showers should be available in the work area.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid prolonged or repeated contact with the skin. Avoid eye contact. Store in a cool dry area. Do not store in direct sunlight. Work with adequate general and local exhaust ventilation to minimize exposure to vapors. Bond and ground containers for transfer of this product to avoid static sparks. Styrene vapors are uninhibited and may cause blockage of ventilation vents due to polymerization. Periodic inspection may be necessary to prevent stoppage.

OTHER COMMENTS:

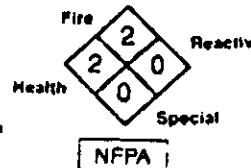
Rabbits given polyester resin in the eye developed moderate corneal injury, iritis and conjunctival injury with corneal vascularization. However, all eyes healed by day 21 (USS Toxicity Test Report No. 47-503). A few embryotoxic effects have been shown in animal studies, but results are conflicting. Data on humans are inconclusive (WHO Envir. Health Criteria 26:82, 1983). Chromosomal aberrations in cultured peripheral lymphocytes occurring in workers at high concentrations have been reported (no change in workers at low levels, IARC Supp. 4:229, 1982). There has been insufficient evidence to establish a relationship with cancer, although some studies have implied an associated risk of leukemia and lymphoma (WHO Envir. Health Criteria 26:82, 1983). Styrene may cause changes in urinary enzymes (decreased creatinine, while increasing blood urea nitrogen (BUN) and SGPT, Tox. Appl. Pharm. 75:346, 1984). N,N-Dimethylaniline may cause methemoglobinemia, liver and kidney damage. Medical screening should be done for those with abnormal CNS, chronic respiratory system disorders, skin disease, kidney and liver disorders.

IARC has reclassified styrene from a Group 3 substance to a Group 2B, now labeled as "Possibly Carcinogenic to Humans." The new classification is not based on any significant new evidence that styrene might be carcinogenic, but rather on a broadening of the definition for the Group 2B classification. The previous definition only classified a substance as Group 2B if sufficient carcinogenic evidence existed in animal studies. The current definition accepts limited evidence from animal studies if it is coupled with supporting evidence from other relevant studies.

Industry groups and independent research organizations are contesting the reclassification due to the current inconclusive scientific evidence linking styrene with cancer.

WD-40

25-120
102665



MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Manufacturer: WD-40 Company Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-9021	Telephone: Emergency Only: 1 (800) 424-9300 (CHEMTREC) (619) 275-1400 Information: Chemical Name: Organic Mixture Trade Name: WD-40 Bulk Liquid
--	---

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Number	%	Exposure Limit ACGIH/OSHA
Aliphatic Petroleum Distillates	8052-41-3	70	100 ppm PEL
Petroleum Base Oil	64742-65-0	> 20	5 mg/M ³ TWA (mist)
Non-hazardous Ingredients		< 10	

III. PHYSICAL DATA

Boiling Point: 300°F (minimum) Vapor Density (air = 1): Greater than 1 Solubility in Water: Insoluble Specific Gravity (H ₂ O = 1): .800 @ 70°F <i>0.6819</i> Percent Volatile (volume): 74%	Evaporation Rate: Not determined Vapor Pressure: Not determined Appearance: Cloudy light amber Odor: Characteristic odor VOC: 568 grams per liter
---	---

IV. FIRE AND EXPLOSION

Flash Point: Tag Open Cup 110°F (minimum) Flammable Limits: (solvent portion) [LeL] 1.0% [UeL] 6.0% Extinguishing Media: CO ₂ , Dry Chemical, Foam Special Fire Fighting Procedures: None Unusual Fire and Explosion Hazards: None	4.74 #/g
---	----------

V. HEALTH HAZARD / ROUTE(S) OF ENTRY

Threshold Limit Value Aliphatic Petroleum Distillates (Stoddard solvent) lowest TLV (ACGIH 100 ppm.) Symptoms of Overexposure Inhalation (Breathing): May cause anesthesia, headache, dizziness, nausea and upper respiratory irritation. Skin Contact: May cause drying of skin and or irritation. Eye Contact: May cause irritation, tearing and redness. Ingestion (Swallowed): May cause irritation, nausea, vomiting and diarrhea. First Aid Emergency Procedures Ingestion (Swallowed): Do not induce vomiting, seek medical attention. Eye Contact: Immediately flush eyes with large amounts of water for 15 minutes. Skin Contact: Wash with soap and water. Inhalation (Breathing): Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. DANGER! Aspiration Hazard: If swallowed can enter lungs and may cause chemical pneumonitis. Do not induce vomiting. Call Physician immediately. Suspected Cancer Agent Yes _____ No <u>X</u>	The components in this mixture have been found to be noncarcinogenic by NTP, IARC and OSHA.
---	---

VI. REACTIVITY DATA

Stability:	Stable <u>X</u>	Unstable _____
Conditions to avoid:	NA	
Incompatibility:	Strong oxidizing materials	
Hazardous decomposition products:	Thermal decomposition may yield carbon monoxide and/or carbon dioxide.	
Hazardous polymerization:	May occur _____	Will not occur <u>X</u>

VII. SPILL OR LEAK PROCEDURES

<p>Spill Response Procedures Spill unlikely from aerosol cans. Leaking cans should be placed in plastic bag or open pail until pressure has dissipated.</p> <p>Waste Disposal Method Empty aerosol cans should not be punctured or incinerated: bury in land fill. Liquid should be incinerated or buried in land fill. Dispose of in accordance with local, state and federal regulations.</p>

VIII. SPECIAL HANDLING INFORMATION

Ventilation:	Sufficient to keep solvent vapor less than TLV.
Respiratory Protection:	Advised when concentrations exceed TLV.
Protective Gloves:	Advised to prevent possible skin irritation.
Eye Protection:	Approved eye protection to safeguard against potential eye contact, irritation or injury.
Other Protective Equipment:	None required.

IX. SPECIAL PRECAUTIONS

Keep from sources of ignition. Avoid excessive inhalation of spray particles, do not take internally. Do not puncture, incinerate or store container above 120°F. Exposure to heat may cause bursting. Keep from children.
--

X. TRANSPORTATION DATA

<p>Domestic Surface Description: Consumer Commodity Hazard Class: ORM-D ID No.: NONE Label Required: Consumer Commodity (ORM-D)</p> <p>Domestic Air Description: Consumer Commodity (Flammable Gas-Aerosol products) Hazard Class: ORM-D ID No.: NONE Label Required: Consumer Commodity (ORM-D-AIR)</p>
--

XI. REGULATORY INFORMATION

<p>All ingredients for this product are listed on the TSCA inventory.</p> <p>SARA Title III chemicals: None California Prop 65 chemicals: None CERCLA reportable quantity: None RCRA hazardous waste no: NA</p>

SIGNATURE: R. Miles *R. Miles* TITLE: Technical Director

REVISION DATE: August 1992 SUPERSEDES: March 1990

NA = Not applicable NDA = No data available < = Less than > = More than

We believe the statements, technical information and recommendations contained herein are reliable. However, the data is provided without warranty expressed or implied. It is the users responsibility both to determine safe conditions for use of this product and assume loss, damage or expense direct or consequential arising from its use. Before using product, read label.



#156984

GE Silicones

FORMAT:USA

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PRODUCT: IS802

SILICONE INDUSTRIAL SEALANT

PAGE: 01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

EMERGENCY PHONE (24 HRS)
(518) 237-3330

REVISED: 10/03/96
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
A. HAZARDOUS						
METHYLTRIAACETOXY-SILANE 4253-34-3	1-5	10(R)	NE	10(R)	NE	PPM
B. NON-HAZARDOUS						
POLYDIMETHYLSILOXANE SILANOL/STPD 70131-67-8	60-80	-	NE	-	NE	-
SILANOL/STPD SILOXANE W/ME SILSQQXNS 68554-67-6	5-10	NF	NE	NF	NE	NA
TREATED FUMED SILICA 68611-44-9	5-10	10	NE	15	NE	MG/M3
DIMETHYLPOLYSILOXANE 63148-62-9	1-5	NA	NE	NA	NE	NA

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

White Solid
Vinegar odor
Avoid contact with eyes.
May irritate the skin.
Uncured product contact irritates eyes.
Refer to other MSDS sections for detailed information.

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.
Uncured product contact may irritate the skin.

INHALATION:

Causes irritation of the mouth, nose, and throat.
Applies only in uncured state.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

Respiratory

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

- Dermal - skin.
- Eyes.
- Inhalation.

OTHER:

Acetic acid released during curing.
This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees farenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

Rinse mouth with water several times.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.
Get medical attention if irritation persists.

INHALATION:

Move person to fresh air.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

5. FIRE FIGHTING MEASURES

FLASH POINT:		NA	(C) NA	(F)
METHOD :		NA		
IGNITION TEMP :		UNK	(C) UNK	(F)
FLAMMABLE LIMITS IN AIR - LOWER (%):		UNK		
FLAMMABLE LIMITS IN AIR - UPPER (%):		UNK		
SENSITIVITY TO MECHANICAL IMPACT (Y/N):		NO		
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.			
EXTINGUISHING MEDIA:	All standard firefighting media			
SPECIAL FIREFIGHTING PROCEDURES:	None known.			

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

- Wipe, scrape or soak up in an inert material and put in a container for disposal.
- Wash walking surfaces with detergent and water to reduce slipping hazard.
- Wear proper protective equipment as specified in the protective equipment section.
- Increase area ventilation.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- Avoid contact with skin and eyes.
- Caution] Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.
- Product releases acetic acid during application and curing.
- Use mechanical ventilation to stay below TLV of 10 ppm acetic acid.
- Uncured product contact irritates eyes.
- Uncured product contact may irritate skin.
- Use in a well ventilated area to prevent irritation by vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

- Eyewash stations.
- Use in a well ventilated area.

RESPIRATORY PROTECTION:

- Use in a well ventilated area.
- Use approved NIOSH respiratory protection if TLV exceeded.....
- Or over exposure is likely.

PROTECTIVE GLOVES:

- Cloth gloves.

EYE AND FACE PROTECTION:

- Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

- None known.

VENTILATION:

- Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE(20 C)(MM HG):	:	NA		
VAPOR DENSITY (AIR=1)	:	NA		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	ACETIC ACID		
COLOR	:	WHITE		
ODOR THRESHOLD (PPM)	:	UNK		
% VOLATILE BY VOLUME	:	<8		
EVAP. RATE(BUTYL ACETATE=1):	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.04		
DENSITY (KG/M3)	:			

ACID/ALKALINITY (MEQ/G) : 1040
 PH : NA
 VOC (EPA METH.24) (G/L) : 53.0
 SOLUBILITY IN WATER (20 C) : INSOLUBLE
 SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): TOLUENE

10. STABILITY AND REACTIVITY

STABILITY: STABLE
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
 HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
 Carbon monoxide.
 Carbon dioxide.
 Silicon dioxide.
 Acetic acid.
 Formaldehyde.
 INCOMPATIBILITY (MATERIALS TO AVOID):
 None known.
 CONDITIONS TO AVOID:
 None known.

11. TOXICOLOGICAL INFORMATION

METHYLTRIAACETOXYSILOXANE
 ACUTE ORAL LD50 (MG/KG): 2,060 (RAT)
 ACUTE DERMAL LD50 (MG/KG): NONE FOUND
 ACUTE INHALATION LC50 (MG/L): NONE FOUND
 OTHER:
 None.

AMES TEST:

POLYDIMETHYLSILOXANE SILANOL/STPD
 ACUTE ORAL LD50 (MG/KG): >40000 RAT
 ACUTE DERMAL LD50 (MG/KG): NON-IRRITATING RBT
 ACUTE INHALATION LC50 (MG/L): >535 RAT
 OTHER:
 None.

AMES TEST:

SILANOL/STPD SILOXANE W/ME SILSQQNS
 ACUTE ORAL LD50 (MG/KG): >40,000 RAT, ESTM.
 ACUTE DERMAL LD50 (MG/KG): NONE FOUND
 ACUTE INHALATION LC50 (MG/L): >535 MG/L ESTM.
 OTHER:
 None.

AMES TEST:

TREATED FUMED SILICA
 ACUTE ORAL LD50 (MG/KG): >10,000MG/KG (RAT)
 ACUTE DERMAL LD50 (MG/KG): NA
 ACUTE INHALATION LC50 (MG/L): NA
 OTHER:
 None.

AMES TEST:

DIMETHYLPOLYSILOXANE
 ACUTE ORAL LD50 (MG/KG): 20,000 RAT
 ACUTE DERMAL LD50 (MG/KG):

ACUTE INHALATION LC50 (MG/L): NONE
 OTHER: NONE
 Tested for acute oral LD50.
 AMES TEST:

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
 CHEMICAL FATE INFORMATION: No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:
 Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NONE
 DOT HAZARD CLASS: NOT DOT REGULATED
 DOT LABEL(S): NONE
 UN/NA NUMBER: NONE
 PLACARDS: NONE
 IATA:
 NA
 IMO IMDG-code: NONE
 EUROPEAN CLASS:
 RID (OCTI): NONE
 ADR (ECE) : NONE
 RAR (IATA): NONE

15. REGULATORY INFORMATION

SARA SECTION 302:
 None Found
 SARA (311,312) HAZARD CLASS:
 ACUTE HEALTH HAZARD
 SARA (313) CHEMICALS:
 NONE
 CPSC CLASSIFICATION: NA
 WHMIS HAZARD CLASS:
 D2B TOXIC MATERIALS
 WHMIS TRADE SECRET:
 None
 EXPORT:
 SCHDLE B/HTSUS: 3910.00 Silicones in Primary Form
 ECCN: EAR99
 HAZARD RATING SYSTEMS
 HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2
 NFPA FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2
 CALIFORNIA PROPOSITION 65:
 NONE

16. OTHER INFORMATION

This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

.....
 These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.....

.....
 C = ceiling limit NEGL = negligible
 EST = estimated NF = none found
 NA = not applicable UNKN = unknown
 NE = none established REC = recommended
 ND = none determined V = recomm. By vendor
 By-product = reaction by- SKN = skin
 product, TSCA inventory TS = trade secret
 status not required under R = recommended
 40 CFR part 720.30(h-2) MST = mist
 STEL = short term exposure NT = not tested
 limit

DATE PRINTED: 10/18/96

*** END OF MSDS ***

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

156992
BLACK

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

EMERGENCY PHONE (24 HRS)
(518) 237-3330

REVISED: 10/03/96
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG. NO.	APPROX. WGT. %	ACGIH TLV		OSHA PEL		UNITS
		TWA	STEL	TWA	STEL	
1. HAZARDOUS						
4. TRIACETOXY-SILANE 4253-34-3	1-5	10 (R)	NE	10 (R)	NE	PPM
3. NON-HAZARDOUS						
1. DIMETHYLSILOXANE SILANOL/STPD 70131-67-8	60-80		NE	-	NE	-
SILANOL/STPD SILOXANE W/ME. SILSONS 68554-67-6	5-10	NE	NE	NE	NE	NA
TREATED FUMED SILICA 68611-44-9	5-10	10	NE	15	NE	MG/M3
DIMETHYLPOLYSILOXANE 63148-62-9	1-5	NA	NE	NA	NE	NA

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This section not in use

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

*** CONTINUED ON NEXT PAGE ***

Uncured product contact irritates lips, gums and tongue.

Uncured product contact may irritate the skin.

INHALATION:

Causes irritation of the mouth, nose, and throat.

Exists only in uncured state.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

None known.

CHRONIC (TARGET ORGAN) EFFECTS:

None known.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Dermal - skin.

Eyes.

Inhalation.

OTHER:

Acetic acid released during curing.

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

Rinse mouth with water several times.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

Get medical attention if irritation persists.

INHALATION:

Move person to fresh air.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

POINT: NA (C) NA (F)
METHOD: NA
BOILING TEMP: UNK (C) UNK (F)
FLAMMABLE LIMITS IN AIR - LOWER (%): UNK
FLAMMABLE LIMITS IN AIR - UPPER (%): UNK
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO
SENSITIVITY TO STATIC DISCHARGE: UNK

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA:

All standard firefighting media.

SPECIAL FIREFIGHTING PROCEDURES:

None known.

6. ACCIDENTAL RELEASE MEASURES

CAUTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

Use area ventilation.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Avoid contact with skin and eyes.

Caution!

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.

Product releases acetic acid during application and curing.

Use mechanical ventilation to stay below TLV of 10 ppm acetic acid.

Uncured product contact irritates eyes.

Uncured product contact may irritate skin.

Use in a well ventilated area to prevent irritation by vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

*** CONTINUED ON NEXT PAGE ***

ENGINEERING CONTROLS:

wash stations.
in a well ventilated area.

RESPIRATORY PROTECTION:

Use in a well ventilated area.
Use approved NIOSH respiratory protection if TLV exceeded.....
Or over exposure is likely.

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known.

EXHAUSTION:

Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT :	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG) :	NA		
AIR DENSITY (AIR=1) :	NA		
MELTING POINT :	NA	(C) NA	(F)
FREEZING POINT :	NA	(C) NA	(F)
PHYSICAL STATE :	SOLID		
ODOR :	ACETIC ACID		
COLOR :	BLACK		
EXPOSURE THRESHOLD (PPM) :	UNK		
FLAMMABLE BY VOLUME :	<8		
FLASH POINT (BUTYL ACETATE=1) :	<1		
SPECIFIC GRAVITY (WATER=1) :	1.04		
DENSITY (KG/M3) :	1040		
TOTAL ALKALINITY (MEQ/G) :	NA		
PH :	NA		
CONC (EPA METH.24) (G/L) :	NT		
SOLUBILITY IN WATER (20 C) :	INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) :	TOLUENE		

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

*** CONTINUED ON NEXT PAGE ***

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

- Carbon monoxide
- Carbon dioxide
- Silicon dioxide
- Silicic acid
- Formaldehyde

COMPATIBILITY (MATERIALS TO AVOID):

None known.

CONDITIONS TO AVOID:

None known.

11. TOXICOLOGICAL INFORMATION

HEXYLTRIACETOXYSILOXANE

ACUTE ORAL LD50 (MG/KG): 2,060 (RAT)
 ACUTE DERMAL LD50 (MG/KG): NONE FOUND
 ACUTE INHALATION LC50 (MG/L): NONE FOUND
 OTHER: None.

MES TEST:

DIMETHYLSILOXANE SILANOL/STPD

ACUTE ORAL LD50 (MG/KG): >40000 (RAT)
 ACUTE DERMAL LD50 (MG/KG): NON-IRRITATING RET
 ACUTE INHALATION LC50 (MG/L): >535 (RAT)
 OTHER: None.

MES TEST:

DIMETHYLSILOXANE W/ME SILSOLONS

ACUTE ORAL LD50 (MG/KG): >40,000 RAT, ESTM.
 ACUTE DERMAL LD50 (MG/KG): NONE FOUND
 ACUTE INHALATION LC50 (MG/L): >535 MG/L ESTM.
 OTHER: None.

MES TEST:

HEAVY METAL TREATED FUMED SILICA

ACUTE ORAL LD50 (MG/KG): >10,000MG/KG (RAT)
 ACUTE DERMAL LD50 (MG/KG): NA
 ACUTE INHALATION LC50 (MG/L): NA
 OTHER: None.

*** CONTINUED ON NEXT PAGE ***

AMES TEST:

POLYPOLYSILOKANE

ORAL LD50 (MG/KG):	20,000 RAT
DERMAL LD50 (MG/KG):	NONE
INHALATION LC50 (MG/L):	NONE

Tested for acute oral LD50.

AMES TEST:

12. ECOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	No data at this time
ECOLOGICAL FATE INFORMATION:	No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

SHIPING NAME:	NA
HAZARD CLASS:	NOT DOT REGULATED
LABEL(S):	NA
UN NUMBER:	NA
PLACARDS:	NONE
TA:	NA
MDG-code:	NA
HAZARD CLASS:	NA
RID (OCTI):	NA
ADR (ECE):	NA
ADR (IATA):	NA

15. REGULATORY INFORMATION

SECTION 302:

None Found

(311,312) HAZARD CLASS:

*** CONTINUED ON NEXT PAGE ***

PRODUCT: TS803

SILICONE INDUSTRIAL RESISTANT

10/22/96

ACUTE HEALTH HAZARD

SARA (313) CHEMICALS:

NONE

CLASSIFICATION: NA

HAZARD CLASS:

TOXIC MATERIALS

IS TRADE SECRET:

None

EXPORT:

SCHEDULE B/HTSUS: 3910.00 Silicones in Primary Form

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 0, REACTIVITY 0, HEALTH 2

NFPA FLAMMABILITY 0, REACTIVITY 0, HEALTH 2

CALIFORNIA PROPOSITION 65:

NONE

16. OTHER INFORMATION

This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are deemed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.....

- = ceiling limit
- EST= estimated
- NA = not applicable
- NE = none established
- ND = none determined
- By-product = reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)
- STEL = short term exposure limit
- NEGL = negligible
- NF = none found
- UNKN = unknown
- REC = recommended
- V = recomm. By vendor
- SKN = skin
- TS = trade secret
- R = recommended
- MST = mist
- NT = not tested

DATE PRINTED: 10/22/96

*** END OF MSDS ***



SC

157008

GE Silicones

0.64

MAT:USA

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

0,0,2 A

PRODUCT: IS808

SILICONE INDUSTRIAL SEALANT

PAGE: 01

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)
(518) 237-3330

EMERGENCY PHONE (24 HRS)
(518) 237-3330

REVISED: 07/22/96
PREPARER: CE HANNIGAN
CHEMICAL FAMILY/USE: SILICONE RUBBER
FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
A. HAZARDOUS METHYLTRICETOXYSILOXANE 4253-34-3	1-5 ^{2.5%}	10(R)	NE	10(R)	NE	PPM
B. NON-HAZARDOUS POLYDIMETHYLSILOXANE SILANOL/STPD 70131-67-8	60-80 ^{70%}		NE	-	NE	-
TRADE SECRET COMPONENT	5-10	NF	NE	NF	NE	NA
TRADE SECRET COMPONENT	5-10	10	NE	15	NE	MG/M3

See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This section not in use

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

INHALATION:

Causes irritation of the mouth, nose, and throat.

Applies only in uncured state.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Dermal - skin.

Inhalation.

OTHER:

Acetic acid released during curing.

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

4. FIRST AID MEASURES

INGESTION:

Rinse mouth with water several times.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

INHALATION:

Move person to fresh air.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

5. FIRE FIGHTING MEASURES

FLASH POINT:

METHOD :

NA (C) NA (F)

IGNITION TEMP :

NA

FLAMMABLE LIMITS IN AIR - LOWER (%):

UNK (C) UNK (F)

FLAMMABLE LIMITS IN AIR - UPPER (%):

UNK

SENSITIVITY TO MECHANICAL IMPACT (Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA:

All standard firefighting media

SPECIAL FIREFIGHTING PROCEDURES:

None known.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

Increase area ventilation.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- Keep container closed when not in use.
- Avoid contact with skin and eyes.
- Use only in a well ventilated area.
- Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.
- Product releases acetic acid during application and curing. Use mechanical ventilation to stay below TLV of 10 ppm acetic acid.
- Uncured product contact irritates eyes.
- Uncured product contact may irritate skin.
- Use in a well ventilated area to prevent irritation by vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

- Exhaust ventilation
- Eyewash stations.
- Use in a well ventilated area.

RESPIRATORY PROTECTION:

- Use in a well ventilated area.
- Use approved NIOSH respiratory protection if TLV exceeded.....
- Or over exposure is likely.

PROTECTIVE GLOVES:

- Cloth gloves.

EYE AND FACE PROTECTION:

- Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

- None known.

VENTILATION:

- Use only in well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

BOILING POINT :	NA	(C) NA	(F)
VAPOR PRESSURE(20 C)(MM HG):	NA		
VAPOR DENSITY (AIR=1) :	NA		
FREEZING POINT :	NA	(C) NA	(F)
MELTING POINT :	NA	(C) NA	(F)
PHYSICAL STATE :	SOLID		
ODOR :	ACETIC ACID		
COLOR :	TRANSLUCENT		
ODOR THRESHOLD (PPM) :	UNK		
% VOLATILE BY VOLUME :	<8		
EVAP. RATE(BUTYL ACETATE=1):	<1		
SPECIFIC GRAVITY (WATER=1) :	1.04		
DENSITY (KG/M3) :	1040		
ACID/ALKALINITY (MEQ/G) :	NA		
PH :	NA		
VOC (EPA METH.24) (G/L) :	NT		
SOLUBILITY IN WATER (20 C) :	INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	TOLUENE		

10. STABILITY AND REACTIVITY

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:
Carbon monoxide.
Carbon dioxide.
Silicon dioxide.
Acetic acid.
Formaldehyde.
INCOMPATIBILITY (MATERIALS TO AVOID):
None known.
CONDITIONS TO AVOID:
None known.

11. TOXICOLOGICAL INFORMATION

METHYLTRIACTOXYSILOXANE:
ACUTE ORAL LD50 (MG/KG): 2,060 (RAT)
ACUTE DERMAL LD50 (MG/KG): NONE FOUND
ACUTE INHALATION LC50 (MG/L): NONE FOUND
OTHER:
None.

AMES TEST:

POLYDIMETHYLSILOXANE SILANOL/STPD:
ACUTE ORAL LD50 (MG/KG): >40000 RAT
ACUTE DERMAL LD50 (MG/KG): NON-IRRITATING RBT
ACUTE INHALATION LC50 (MG/L): >535 RAT
OTHER:
None.

AMES TEST:

TRADE SECRET COMPONENT:
ACUTE ORAL LD50 (MG/KG): >40,000 RAT, ESTM.
ACUTE DERMAL LD50 (MG/KG): NONE FOUND
ACUTE INHALATION LC50 (MG/L): >535 MG/L ESTM.
OTHER:
None.

AMES TEST:

TRADE SECRET COMPONENT:
ACUTE ORAL LD50 (MG/KG): >10,000MG/KG (RAT)
ACUTE DERMAL LD50 (MG/KG): NA
ACUTE INHALATION LC50 (MG/L): NA
OTHER:
None.

AMES TEST:

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: NONE
 DOT HAZARD CLASS: NOT DOT REGULATED
 DOT LABEL(S): NONE
 UN/NA NUMBER: NONE
 PLACARDS: NONE
 IATA:
 NA
 IMDG-code: NA
 EUROPEAN CLASS:
 RID (OCTI): NA
 ADR (ECE): NA
 RAR (IATA): NA

15. REGULATORY INFORMATION**SARA SECTION 302:**

None Found

SARA (311,312) HAZARD CLASS:

ACUTE HEALTH HAZARD

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION:

NA

WHMIS HAZARD CLASS:

D2B TOXIC MATERIALS

WHMIS TRADE SECRET:

None

EXPORT:

SCHDLE B/HTSUS:

3910.00 Silicones in Primary Form

ECCN:

1C96G

HAZARD RATING SYSTEMS

HMIS

FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

NFPA

FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

CALIFORNIA PROPOSITION 65:

NONE

16. OTHER INFORMATION

This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.....

C = ceiling limit; NEGL = negligible
 EST= estimated NF = none found
 NA = not applicable UNKN = unknown
 NE = none established REC = recommended
 ND = none determined V = recom. By vendor
 By-product = reaction by- SKN = skin

FROM : R. S. HUGHES
PRODUCT: 13808

SILICONE INDUSTRIAL SEALANT

PHONE NO. : 407 292 5488
PAGE: 05

product, TSCA inventory	TS	=	trade secret
status not required under	R	=	recommended
40 CFR part 720.311(h-2)	MST	=	mist
STEL = short term exposure	NT	=	not tested
limit			

DATE PRINTED: 07/28/96

*** END OF MSDS ***

164939

MATERIAL SAFETY DATA SHEET
FINISH KARE PRODUCTS, INC.
SOUTH EL MONTE, CALIFORNIA
(818) 443-8983

HAZARD RATINGS

MINIMAL.....0	HEALTH	1
SLIGHT.....1		
MODERATE.....2	FLAMMABILITY	1
SERIOUS.....3		
SEVERE.....4	REACTIVITY	0

SECTION I PRODUCT IDENTIFICATION

TRADE NAME:	PART NO:	V.O.C. GRMS/LT
Edge Wax.....	68	356.06

CHEMICAL NAME:

SECTION II HAZARDOUS INGREDIENTS

	OCCUPATIONAL EXPOSURE LIMITS			VOC
	CAS NO.	% PEL/OSHA	TLV/ACGIH	
Hydrocarbon Mixture	8002-05-9		500ppm	500
Solvent Blend	64742-88-7	74%	N/E	N/E
Mineral Spirits	64742-95-6	26%		
Wax Blend: Hydrocarbon Wax Mixture	N/A			
Synthetic Hydrocarbon	N/A			
Hydrocarbon	N/A			
Polyethylene Homopolymer	9002-88-4			

SECTION III HEALTH HAZARD INFORMATION

THE HEALTH EFFECT NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29CFR 1910.1200)

EYE CONTACT: Product is minimally irritating to the eyes.

SKIN CONTACT: Prolonged or repeated contact may result in defatting and drying of the skin.

MATERIAL SAFETY DATA SHEET

INHALATION(BREATHING): N/A. Paste product.

INGESTION(SWALLOWING): Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

COMMENTS:

=====
SECTION IV

EMERGENCY FIRST AID AND PROCEDURES
=====

EYE CONTACT: Flush the eye(s) with plenty of water for 15 minutes while holding eyelids open.

SKIN CONTACT: Wash with soap and water.

INHALATION(BREATHING): N/A. Paste Product

INGESTION(SWALLOWING): Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

COMMENTS:

=====
SECTION IV

PHYSICAL DATA
=====

BOILING POINT:
(DEG F) 318-388

SPECIFIC GRAVITY:
(H2O=1) 0.797

VAPOR PRESSURE:
(MM HG) 5.3 @ 100 F

MELTING POINT:
(DEG F) 250 degrees

SOLUBILITY IN WATER:
Neg.

VAPOR DENSITY:
(AIR=1) 4.1

MATERIAL SAFETY DATA SHEET

PAGE 3

EVAPORATION RATE (N-BUTYL ACETATE=1) .13 * ESTIMATED

APPEARANCE AND ODOR: hydrocarbon odor

SECTION VI

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:
EST. 106 F TCC

FLAMMABLE LIMITS /% VOLUME IN AIR
LOWER 1 UPPER: 7

FIRE AND EXPLOSION HAZARDS: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

FIRE FIGHTING PROCEDURES: Do not enter confined fire space without full bunker gear, including a positive NIOSH approved self-contained apparatus. Cool fire exposed containers with water.

EXTINGUISHING MEDIA: Use water fog, dry chemical or CO2. Do not use a direct stream of water.

SECTION VII

REACTIVITY

STABILITY: Stable HAZARDOUS DEPOLIMERIZATION: will not occur

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid heat, sparks, flame and contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION VIII

EMPLOYEE PROTECTION

VENTILATION: Not required.

RESPIRATORY PROTECTION: Normally not required.

PROTECTIVE GLOVES: Normally not required.

EYE PROTECTION: Normally not required.

MATERIAL SAFETY DATA SHEET

PAGE 4

=====
OTHER PROTECTIVE EQUIPMENT:

Normally not required.

=====
SECTION IX ENVIRONMENTAL PROTECTION
=====

PRECAUTION IN CASE OF RELEASE OR SPILL: Eliminate potential sources of ignition. Dike and contain. Soak up residue with an absorbent material such as clay sand or other suitable material.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

HANDLING AND STORAGE PRECAUTIONS: Handle as combustible liquid. Always wash hands thoroughly after handling these products.

=====
SECTION X TRANSPORTATION REQUIREMENTS
=====

DEPARTMENT OF TRANSPORTATION CLASSIFICATION: Class 55

D.O.T. PROPER SHIPPING NAME: N/A

OTHER REQUIREMENTS:

=====
24 HOUR EMERGENCY ASSISTANCE
" CHEM-TEL 1-800-255-3924 "
=====

MATERIAL SAFETY DATA SHEET

PAGE 5

SARA SECTION 313 NOTIFICATION

I. Chemicals subject to the reporting requirements of Sara Title III, Section 313 are identified in Section II Hazardous Ingredients. Proposition 65 warning: (P) This mark following a chemical listed in Section II designates material known to the state of California to cause cancer, birth defects, or other reproductive harm. Other ingredients may in addition contain trace amounts of these known carcinogens or teratogens.

II. E.P.A. Sara Title III Section 313 listed toxic chemical is present as follows:

Not applicable

III. The information contained herein is based on the data available to us and is believed to be correct. However, Finish Kare Products assumes no responsibility for injury from the use of the product described herein.

Date prepared: JANUARY 1996

By: FLM

FINISH KARE PRODUCTS, INC.
 1726 FLORADALE AVE.
 S. EL MONTE, CA 91733

BE SAFE...READ OUR PRODUCT SAFETY INFORMATION...AND PASS IT ON!

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



DIVISION: AUTOMOTIVE TRADES
TRADE NAME:
3M Feathering Disc Adhesive, Type II PART NO. 08051
3M I.D. NUMBER: 62-4487-2608-3

ISSUED: APRIL 12, 1990
SUPERSEDES: JULY 28, 1989
DOCUMENT: 10-5266-1

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AVT
n-hexane	110-54-3	30.0 - 40.0	50	ppm	TWA	ACGI
hexane (other isomers)	none	20.0 - 30.0	NONE	NONE	NONE	NONE
polyterpene resin	13680-35-8	10.0 - 20.0	NONE	NONE	NONE	NONE
natural rubber	9006-04-6	10.0 - 20.0	NONE	NONE	NONE	NONE
glycerol ester of hydrogenated rosin	65997-13-9	1.0 - 10.0	NONE	NONE	NONE	NONE
kaolin	1332-58-7	1.0 - 10.0	10	mg/m ³	TWA	ACGI
titanium dioxide	13463-67-7	0.1 - 1.0	10	mg/m ³	TWA	ACGI

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... 148.00 F
(hexane)
VAPOR PRESSURE:..... 12.6500 mmHg
@ 68F
VAPOR DENSITY: 2.97 Air = 1
EVAPORATION RATE:..... 1.90 Ether = 1
SOLUBILITY IN WATER: Very slight
SP. GRAVITY:..... 0.800 Water = 1 6.67#/gal
PERCENT VOLATILE: 70.00 %
VOLATILE ORGANICS: 520.00 gm/l 4.34#/gal 65% by wt.
pH: N/A
VISCOSITY: 3425.0 centistokes
APPEARANCE AND ODOR: Amber, liquid, hexane odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -10.00 F T.C.C.
FLAMMABLE LIMITS - LEL: 1.20 %
FLAMMABLE LIMITS - UEL: 6.90 %
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
CO2, foam, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:
Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Extremely Flammable. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 3 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

Abbreviations: N/D - Not Determined N/A - Not Applicable

Green PC

3M General Office
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

04-26
3334

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Feathering Disc Adhesive, Type II PART NO. 08051
APRIL 12, 1990

PAGE: 2 of 4

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:
Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:
Volatile Organic Compound (VOC):
Maximum VOC = 520 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 520 grams/liter.
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

SARA HAZARD CLASS:
FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water for at least 10 minutes. Call a physician.

SKIN CONTACT:
Wash affected area with soap and water.

INHALATION:
Provide fresh air. If breathing difficulties persist, call a physician.

IF SWALLOWED:
Do not induce vomiting. If conscious, give two glasses of milk or water to drink. Call a physician or poison control center.

OTHER FIRST AID:
NONE

3M General Office
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

04-26
3335

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Feathering Disc Adhesive, Type II PART NO. 08051
APRIL 12, 1990

PAGE: 3 of 4

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flame, and other sources of ignition. The vapors released from this product can be ignited easily. Avoid prolonged breathing of vapor/spray (airborne adhesive particulate). Use only in areas with sufficient ventilation to maintain vapor/spray concentrations below recommended limits. Provide local exhaust ventilation if necessary. Keep container tightly capped when not in use. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
n-hexane	180	mg/m3	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m3	TWA	OSHA
kaolin	10	mg/m3	TWA	OSHA
titanium dioxide	10	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Liquid may cause severe eye irritation and vapor may cause eye irritation.

SKIN CONTACT: Prolonged or repeated skin contact may defat skin leading to irritation and dermatitis. n-Hexane may be absorbed through the skin in harmful amounts.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to n-hexane may cause nervous system damage. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, nausea, loss of coordination and stupor.

INGESTION: May cause digestive system irritation and nervous system impairment. Symptoms include nausea, diarrhea, dizziness, sleepiness, decreased reaction time and slurred speech. Solvent aspiration into the lungs as a result of vomiting may cause lung damage, which can be fatal.

NOTE: Titanium dioxide is a potential cancer hazard based on animal studies at extremely high, repeated exposures. This effect is not expected under the conditions of product intended use.

Abbreviations: N/D - Not Determined N/A - Not Applicable

3M General Office
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

04-26
3336

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Feathering Disc Adhesive, Type II PART NO. 08051
APRIL 12, 1990

PAGE: 4 of 4

SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE JULY 28, 1989 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

MATERIAL HEALTH AND
SAFETY BULLETIN

179341

MANUFACTURER'S NAME

T. R. INDUSTRIES INC.

STREET ADDRESS

11022 VULCAN STREET

CITY, STATE AND ZIP CODE

SOUTH GATE, CALIFORNIA 90280-0893

EMERGENCY PHONE NUMBER (24 Hours):

Transportation Emergencies Call: CHEMTREC (800) 424-9300

Health Emergencies Call: Los Angeles Poison Information Center (213) 664-2121

PRODUCT: TR 301 SEALER GLAZE

WARNING STATEMENT:

CHEMICAL NAME: N/A

CONTAINS PETROLEUM DISTILLATES.

CAS NUMBER: (Not Applicable for
Blends) N/A

Harmful or Fatal if Swallowed.
DO NOT induce vomiting if swallowed.
Contact Physician and seek medical
attention immediately.

DOT (Proper Shipping Name)

KEEP OUT OF THE REACH OF CHILDREN.

HAZARD RATING NFPA

1 - LEAST	FIRE	-	<u>1</u>
2 - SLIGHT	TOXICITY	-	<u>2</u>
3 - MODERATE	REACTIVITY	-	<u>0</u>
4 - HIGH	SPECIAL	-	<u> </u>
5 - EXTREME			<u> </u>

FOR INDUSTRIAL/PROFESSIONAL USE ONLY.

SECTION I .. INGREDIENTS

PRODUCT	CAS NUMBER	TLV	PERCENTAGES
Mineral Spirits (Stoddard Solvents)	64741-41-9	100B	5-10%
Blend: Petroleum Distillates	8002-05-9	500	15-20%
Petroleum Hydrocarbon		NE	
Natural Earth Minerals	64741-97-5	1.15	2-5%
Formaldehyde	50000	50ppm	1/2%

Threshold Limit Value

Osha B, ACGII C, See Section III D, Other Cal Osha

Section II .. EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call: LOS ANGELES POISON INFORMATION CENTER
(24 Hrs.) (213) 644-2121

EYE CONTACT	Gently flush with large quantities of water for at least 15 minutes. Seek medical attention immediately.
SKIN CONTACT	Remove any contaminated clothing. Wash with soap and large quantities of water. Seek medical attention if irritated.
INHALATION	If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, move to outside air immediately. If breathing stops, begin artificial respiration and seek immediate medical attention.
INGESTION	If this product is swallowed, seek medical attention immediately. <u>DO NOT</u> induce vomiting unless directed by a physician.

Section III .. PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS	This product may be an eye irritant.
SKIN EFFECTS	Prolonged skin contact may result in irritation and/or Dermatitis.
SYSTEMIC EFFECTS	Various studies have shown a possible association with exposure to this product and the following:

CARCINOGEN: NTP IARC MONOGRAPHS OSHA

None known other than Formaldehyde listed on the California Proposition 65 Code.

SECTION IV .. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify Type)	The use of respiratory protection depends on vapor concentration of the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges and canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.
VENTILATION	If general mechanical ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.
EYE PROTECTION	Safety glasses and/or face shields are recommended.
PROTECTIVE GLOVES	The use of heavy rubber gloves is advised to prevent skin irritation and absorption.
OTHER PROTECTIVE EQUIPMENT	Impermeable aprons, availability of eye washes and safety are recommended.

SECTION V .. REACTIVITY DATA

STABILITY	Unstable _____ Conditions to avoid: Stable <input checked="" type="checkbox"/> NONE
INCOMPATIBILITY (materials to avoid)	NONE
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.
HAZARDOUS POLYMERIZATION	May Occur _____ Conditions to avoid: Will Not Occur <input checked="" type="checkbox"/> NONE

SECTION VI .. SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC (800) 424-9300

PRECAUTIONS IN CASE OF CASE OR SPILL	Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep all sources of ignition away.
WASTE DISPOSAL METHOD	Dispose of product in accordance with applicable local, county, state and Federal regulations.

SECTION VII .. STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS	Keep product containers cool, dry and away from sources of ignition. Use and store with adequate ventilation.
OTHER PRECAUTIONS	Personnel should avoid inhalation of vapors. Should contact be made, remove saturated clothing and flush with water.

SECTION VIII .. FIRE AND EXPLOSION HAZARD DATA

DOT FLAMMABILITY CLASSIFICATION	Flash Point Range <input type="checkbox"/> 20° F. <input type="checkbox"/> 20° F. to 100° F. <input type="checkbox"/> 100° F. to 200° F. <input checked="" type="checkbox"/> Over 200° F. <input type="checkbox"/> None to Boiling
EXTINGUISHING MEDIA	Use Foam, CO ₂ or dry chemical fire fighting apparatus.
UNUSUAL FIRE EXPLOSION HAZARDS	Keep work areas free of hot metal surfaces and other sources of ignition.
HAZARDOUS POLYMERIZATION	The use of self-contained breathing apparatus is recommended for fire fighters. Avoid spreading burning liquid with water. Contact Fire Dept. immediately.

SECTION IX .. PHYSICAL DATA

APPROXIMATE BOILING RANGE °F 12	Vapor Density: <input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter Than Air	
EVAPORATION RATE: <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower Than Ether	Percent Volatile: 33%	Solubility in water: Negligible
SPECIFIC GRAVITY: <input type="checkbox"/> Lighter <input checked="" type="checkbox"/> Heavier Than water	Weight Per Gallon: 8.75	
APPEARANCE AND ODOR:	This product is off white color & has characteristic odor.	

SECTION X .. DOCUMENTARY INFORMATION

Product Code: TR-301 Issue date: 10/94 Prepared By: R.Lukich C.Ross

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OR MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and the product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

MATERIAL HEALTH AND SAFETY BULLETIN

28557-104
28569-104
28560-106
28563-108

Date 9/16
9/92

(TR-102-0194886) (TR-104-0179358)

MANUFACTURER'S NAME: Regular T.R. INDUSTRIES 14 02 Ni Temp

STREET ADDRESS: 11022 VULCAN ST. 0.88 lbs

CITY, STATE AND ZIP CODE: SOUTH GATE, CALIFORNIA 90280-0893

EMERGENCY PHONE NUMBER: (24 Hours)
Transportation Emergencies Call CHEMTREC (800) 424-9300
Health Emergencies Call: Los Angeles Poison Information Center (213) 664-2121

PRODUCT: TR 100, 102, 104, 106 & 108
PASTE WAX
CHEMICAL NAME: HYDROCARBON
CAS NUMBER: (Not Applicable for Blends)
N/A

WARNING STATEMENT:
CAUTION: Combustible keep away from heat & open flame.
DO NOT induce vomiting if swallowed. Call a Physician immediately.

DOT (Proper Shipping Name)
NOT APPLICABLE

KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.
Health Rating: NFPA Hazard Ranking:
Health Hazard: 2 0=Least
Flammability: 2 1=Slight
Reactivity: 0 2=Moderate
Other: - 3=High
 4=Extreme

Section I .. INGREDIENTS

CAS#	TVL*		TVL*
STODDARD SOLVENT (Mineral Spirits)	64741-41-9	500A 100B	70-75% ^{2.5}
NON HAZARDOUS INGREDIENTS: Proprietary Wax Blend			25-30%

Threshold Limit Value
A, Osha [X] B, ACGIH [X] C, See Section III [] D Other [] Cal Osha []

Section II.. EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call: LOS ANGELES POISON INFORMATION CENTER
(24 Hrs.) (213) 644-2121

EYE CONTACT Gently flush with large quantities of water for at least 15 minutes. Seek medical attention immediately.

SKIN CONTACT Remove any contaminated clothing. Wash with soap and large quantities of water. Seek medical attention if irritated.

INHALATION If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, move to outside air immediately. If breathing stops, begin artificial respiration and seek immediate medical attention.

INGESTION If this product is swallowed, seek medical attention immediately DO NOT induce vomiting unless directed by a physician.

Section III ... PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS This product may be an eye irritant.

SKIN EFFECTS Prolonged skin contact may result in irritation and/or Dermatitis.

Prolonged or repeated skin contact may result in dermatitis.

SYSTEMIC EFFECTS Various studies have shown a possible association with exposure to this product and the following:

Respiratory tract irritation
Anesthesia in high concentrations.

CARCINOGEN: NTP IARC MONOGRAPHS OSHA

NONE KNOWN

Section IV .. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Specify	The use of respiratory Protection depends on vapor concentration the time-weighted TLV. Use a respirator, gas mask with appropriate cartridges and canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.		
VENTILATION	If General mechanical ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.		
PROTECTIVE GLOVES	The use of heavy rubber gloves is advised, to prevent skin irritation and absorption.	EYE PROTECTION	Safety glasses and/or face shields are recommended.
OTHER PROTECTIVE EQUIPMENT	Impermeable aprons, availability of eye washes and safety are recommended.		

Section V .. REACTIVITY DATA

STABILITY	Unstable <hr/> Stable	Conditions to Avoid:
	X	
INCOMPATIBILITY (Materials to avoid)	Strong Oxidizing Agents.	
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.	
HAZARDOUS POLYMERIZATION	May Occur <hr/> Will Not Occur	Conditions to Avoid
	X	

Section VI .. SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300

PRECAUTIONS IN CASE OF RELEASE OR SPILL	Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain spill if it can be done safely. Keep all sources of ignition away.
WASTE DISPOSAL METHOD	Dispose of product in accordance with applicable, local, county, state and Federal regulations.

Section VII .. STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS	Keep product containers cool, dry and away from sources of ignition. Use and store with adequate ventalation.
OTHER PRECAUTIONS	Personel should avoid inhalation of vapors. Should contact be made, remove saturated clothing and flush with water.

Section VIII .. FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flash Point Range <input type="checkbox"/> 20° F. <input type="checkbox"/> 20° F. to 100° F. <input checked="" type="checkbox"/> 100° F. to 200° F. <input type="checkbox"/> Over 200° F. <input type="checkbox"/> None to Boiling Combustible
EXTINGUISHING MEDIA	Use Foam, CO ₂ or dry chemical fire fighting apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS	Keep work areas free of hot metal surfaces and other sources of ignition.
FIRE FIGHTING PROCEDURES	The use of self-contained breathing apparatus is recommended for fire fighters. Avoid spreading burning liquid with water. Contact Fire Dept. immediately.

Section IX .. PHYSICAL DATA

APPROXIMATE BOILING RANGE ° F	Vapor Density: <input checked="" type="checkbox"/> Heavier <input type="checkbox"/> Lighter Than Air		
EVAPORTAION RATE: <input type="checkbox"/> Faster <input checked="" type="checkbox"/> Slower Than Ether	Percent Volatile: 70	Solubility in Water: Negligible	
SPECIFIC GRAVITY: <input checked="" type="checkbox"/> Lighter <input type="checkbox"/> Heavier Than Water	Weight Per Gallon:		
APPEARANCE AND ODOR: 100 Creme W/Characteristic Odor. 102 White W/	104 Blue W/Characteristic Odor. 106 Aqua " " 108 Yellow " "		

Section X.. DOCUMENTARY INFORMATION

Product Code No 100,102,104,106,108 Issue Date SEPT. 1992 Prepared By: RL/dory

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OR MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. THE RESULTS TO BE OBTAINED FROM USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and the product are furnished on the condition that the person receiving them shall make his own determination as to suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

MATERIAL SAFETY DATA SHEET

For Coatings, Resins and Related Materials

15-80-

181255(2005)

19132(2005)

SECTION I — PRODUCT AND PREPARATION INFORMATION

MANUFACTURER: Rust-Oleum Corporation
ADDRESS: 11 Hawthorn Parkway - Vernon Hills, IL 60061
EMERGENCY AND INFORMATION TEL.: (312) 367-7700 (8:00 a.m. - 5:00 p.m. CDT)
EMERGENCY TEL.: (312) 864-8200 (After Business Hours and on Weekends)
PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414 and 2416
TRADE NAME: OVERALL Aerosols
DATE OF PREPARATION: October 24, 1988
PREPARER: Product Safety Coordinator

(708) 367-7700 PC

1102

3/29/13
Cale VEG
90.01.970

Jeslie
(708) 367-7700

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT/CAS No.	Wt. %	EXPOSURE LIMITS			mm Hg@20C
		ACGIH-TLV	OSHA-PEL	LEL	
Xylol/1330-20-7	10-15%*	100ppm	100ppm	1.2%	9.5
Toluene/108-88-3	20-30%*	100ppm	200ppm	1.2%	22.0
VM&P Naphtha/64742-89-8	7-15%	300ppm	500ppm	0.9%	2.0
Propellant/68476-86-8 (Propane, Butane, Isobutane)	35%*	800ppm**	NE	1.8%	85psia

*Nearest 5%

**TLV Established for Butane Only

NE - Not Established

SECTION III — PHYSICAL DATA

Bolling Range: Below 0°
Evaporation Rate (Ether = 1): faster slower
Vapor Density: heavier lighter than air
% Volatile (by vol.): NA
Wt./Gal.: NA
pH: NA
NA - Not Applicable

SECTION IV — FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
DOT Classification: Consumer Commodity ORM-D
Extinguishing Media: NFPA Class B Extinguishers (Carbon dioxide, dry chemical or foam)
Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Usual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

Flashpoint: Below 0°F (TCC)

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure:
Acute (Inhalation): Harmful if inhaled. May affect the brain and nervous system causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.
Acute (Skin or Eye Contact): Causes eye and skin irritation which can lead to dermatitis with repeated overexposures.
Ingestion: Gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic: Reports have shown repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Toluene and Xylol in lab animals has shown liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Affects in humans have shown liver and cardiac abnormalities.

Emergency and First Aid Procedures:

Inhalation: Remove from exposure, restore breathing and notify a physician.
Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.
Skin Contact: Wash affected area with soap and water, remove contaminated clothing and wash before reuse.
Ingestion: DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI — REACTIVITY DATA

Stability: Unstable Stable
Incompatible: With Strong Oxidizing Agents
Hazardous Decomposition Products: By Open Flame — Carbon Monoxide and Carbon Dioxide
Hazardous Polymerization: Will Not Occur

SECTION VII — SPILL OR LEAK PROCEDURES

Release or Spill Procedures: Remove all sources of ignition, ventilate area and remove with inert absorbent and nonsparking tools.
Waste Disposal Method: Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. In Confined Areas: Use NIOSH approved supplied-air respirators or hoods (TC19C).
Eye Protection: Use safety eyewear designed to protect against splash of liquids.
Other Protective Equipment: Use impervious gloves and/or clothing to prevent skin contact.
Ventilation: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

SECTION IX — SPECIAL PRECAUTIONS AND REGULATORY ISSUES

Handling and Storage Precautions: Do not store above 120°F. DO NOT puncture or incinerate containers. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
Other Regulations: Pennsylvania/New Jersey Right-To-Know laws — Other ingredients in this product such as resin, pigments and additives are nonhazardous and considered trade secrets under these regulations.

SECTION I
PRODUCT IDENTIFICATION

MATERIAL SAFETY DATA SHEET



THE SHERWIN - WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - Oct - 95

©1995, The Sherwin-Williams Co.

SHER-WOOD® CAB Acrylic Lacquer

T75-CAB

SECTION II		ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	T75C15 Gloss	T75F16 Bright Rubbed Effect	T75F17 Med. Rubbed Effect	T75F18 Dull Rubbed Effect
64742-89-8	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0	8	8	8	8
1330-20-7	Xylene.	100 <150>	100 <150>	PPM	5.9	3	3	3	3
64-17-5	Ethanol	1000	1000	PPM	44.0	7	7	6	6
78-83-1	2-Methyl-1-propanol	50	50	PPM	8.7	14	14	14	14
78-93-3	Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0	4	4	4	4
110-43-0	Methyl n-Amyl Ketone.	50	100	PPM	2.1	4	4	4	4
110-19-0	Isobutyl Acetate.	150	150	PPM	12.5	32	32	32	32
628-63-7	Amyl Acetate.	100	100	PPM	4.0	3	3	3	3
7631-86-9	Amorphous Silica.	10	6	Mg/M3 as Dust					1
Weight per Gallon (lbs.)						7.31	7.33	7.34	7.36
Solids by Weight (%)						24.1	24.1	24.4	24.7
Solids by Volume (%)						19.2	19.1	19.3	19.4
Volatile Organic Compounds (VOC) - Less Water (lbs./gal.) 76%						5.55	5.56	5.55	5.55
Photochemically Reactive						No	No	No	No
Flash Point (°F)						37	37	37	37
HMIS (NFPA) Rating (health - flammability - reactivity)						2 3 0	2 3 0	2 3 0	2 3 0

Numbers In Boxes Are Percent By Weight

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

15-50-191429
 PRINT, LACQUER, H-6050
 FOR WIKI CODE
 /GML

Section III — PHYSICAL DATA

PRODUCT WEIGHT - See TABLE	EVAPORATION RATE - Slower than Ether
SPECIFIC GRAVITY - 0.88	VAPOR DENSITY - Heavier than Air
BOILING RANGE - 178-325° F	MELTING POINT - N.A.
VOLATILE VOLUME - 81 %	SOLUBILITY IN WATER - N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT 37 °F PHCC 100 100 100 100
 RED LABEL -- Flammable, Flash below 100 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam
 UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure. Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mist.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

PRECAUTIONS AND FIRST AID MEASURES

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, and reproductive systems. Reports have associated prolonged and repeated overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable
 CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability and possibly Methyl Ethyl Ketone extractability to determine the applicable EPA Hazardous Waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding prohibition.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY - 1B

PRECAUTIONS TO BE TAKEN ON HANDLING AND STORAGE

Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(p)(4), for similar complex mixtures.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the products. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

02-74
4057

(17.25 oz)

1.08 lbs

MATERIAL SAFETY
DATA SHEET

0191510



DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME:
3M Super 74 Foam Fast Adhesive (PB and/or PC)

3M I.D. NUMBER: CS-0406-2031-5 CS-0406-6932-0 62-4991-4930-0 62-4991-4935-9
62-4991-4936-7

ISSUED: JUNE 15, 1994
SUPERSEDES: JULY 1, 1993
DOCUMENT: 10-3323-2

1. INGREDIENT	C.A.B. NO.	PERCENT	PERCENT
DIMETHYL ETHER	115-10-6	30.0	35% 40.0
PENTANE	109-66-0	20.0	25% 30.0
NON-VOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-5490P ++	TradeSecret	20.0	25.22% 30.0
ACETONE	67-64-1	7.0	-10% 13.0
NAPHTHOL SPIRITS	64742-48-9	1.0	-3% 5.0

NOTE: ++ synthetic polymers, resins, filler, antioxidant, resin and u.v. absorber. Not hazardous according to Canadian WHMIS criteria. Non-WHMIS controlling. 73%

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:

ACETONE

2. PHYSICAL DATA

BOILING POINT:	N/A
VAPOR PRESSURE:	Compressed gas
VAPOR DENSITY:	> 2.00 Air = 1
EVAPORATION RATE:	2.00 Ether = 1
SOLUBILITY IN WATER:	Nil
SP. GRAVITY:	0.725 Water = 1
PERCENT VOLATILE:	ca. 78 % by wt
VOLATILE ORGANICS:	ca. 78 % (563 g/l) SCAQMD Rule 443.1, calculated
VOC LESS H2O & EXEMPT SOLVENT	ca. 78 % (563 g/l) SCAQMD Rule 443.1, calculated
pH:	N/D
VISCOSITY:	N/A -- Aerosol
MELTING POINT:	N/D
APPEARANCE AND ODOR:	liquid in aerosol, orange, sweet/fruity odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	-50.00 F T.C.C. (Propellant)
FLAMMABLE LIMITS - LEL:	1.00 % by vol
FLAMMABLE LIMITS - UEL:	Flammable Gas
AUTOIGNITION TEMPERATURE:	N/D
EXTINGUISHING MEDIA:	Water spray, Carbon dioxide, Dry chemical, Foam

Abbreviations: N/D - Not Determined N/A - Not Applicable

02-74
4058**3M General Offices**3M Center
St. Paul, Minnesota 55144-1000
612/733-1110**MATERIAL SAFETY
DATA SHEET****3M**MSDS: 3M Super 74 Foam Fast Adhesive (PB and/or PC)
JUNE 15, 1994

PAGE: 2 of 5

3. FIRE AND EXPLOSION HAZARD DATA (continued)**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 REACTIVITY 1
UNUSUAL REACTION HAZARD: none**4. REACTIVITY DATA**

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Heat

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide Aldehydes Ketones Hydrocarbons

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Cover with absorbent material. Collect using non-sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable).

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Super 74 Foam Fast Adhesive (PB and/or PC)
JUNE 15, 1994

PAGE: 3 of 5

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear vented goggles. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. Avoid static discharge.

3M General Offices

3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

02-74
4060

**MATERIAL SAFETY
DATA SHEET**



MSDS: 3M Super 74 Foam Fast Adhesive (PB and/or PC)
JUNE 15, 1994

PAGE: 4 of 5

7. PRECAUTIONARY INFORMATION (CONTINUED)

INGREDIENTS	EXPOSURE LIMITS		UNIT	TYPE AUTH	SKIN*
	VALUE				
DIMETHYL ETHER	1000		ppm	TWA	CMRG
DIMETHYL ETHER	500		ppm	TWA	AIHA
DIMETHYL ETHER	942		mg/m ³	TWA	AIHA
PENTANE	600		ppm	TWA	ACGIH
PENTANE	750		ppm	STEL	ACGIH
PENTANE	600		ppm	TWA	OSHA
PENTANE	750		ppm	STEL	OSHA
NON-VOLATILE COMPONENTS - N.J.					
TRADE SECRET (T.S.) REGISTRY NO.					
04499600-5490P ++	NONE		NONE	NONE	NONE
ACETONE	750		ppm	TWA	ACGIH
ACETONE	1000		ppm	STEL	ACGIH
ACETONE	750		ppm	TWA	OSHA
ACETONE	1000		ppm	STEL	OSHA
NAPHTHOL SPIRITS	100		ppm	TWA	3M
NAPHTHOL SPIRITS	300		ppm	TWA	CMRG

* SKIN NOTATION: Listed substances indicated with "yw" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route, including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Lev
- OSHA: Occupational Safety and Health Administration
- 3M: 3M Medical Department Guideline
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness

Abbreviations: N/D - Not Determined N/A - Not Applicable

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110

02-74
4061

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Super 74 Foam Fast Adhesive (PB and/or PC)
JUNE 15, 1994

PAGE: 5 of 5

8. HEALTH HAZARD DATA (continued)

of the nose and throat; coughing and sneezing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

PRECAUT. INFO. SECTION CHANGED SINCE JULY 1, 1993 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06867-1910
EMERGENCY PHONE: (203) 571-5100ISSUED 12/20/94
12:13:32
FAX: (203) 571-5465MATERIAL SAFETY DATA SHEET

Page 1 of 3

I. PRODUCT IDENTIFICATION

Product Name: Removable Threadlocker 242
 Item No.: 24231
 Product Type: Anaerobic
 Formula No.: Does not apply

10-30-
191569II. COMPOSITION

Ingredients	CAS No.	Z
Polyglycol dimethacrylate	25852-47-5	60-65
Polyglycol oleate	9004-96-0	25-30
SACCHARIN	81-07-2	3-5
CUMENE HYDROPEROXIDE*	80-15-9	1-3
METHYL ALCOHOL*	67-56-1	1-3
SILICA, AMORPHOUS TREATED	112945-52-5	1-3
N,N-Dialkyltoluidines	613-48-9	0.1-1
TITANIUM DIOXIDE	13463-67-7	0.1-0.5

* This component is listed as a SARA Section 313 Toxic Chemical.

III. CHEMICAL AND PHYSICAL PROPERTIES

Vapor Pressure: Less than 5mm at 80°F
 Vapor Density: Not available
 Solubility in Water: Slight
 Specific Gravity: 1.1 at 75°F
 Boiling Point: More than 300°F
 Volatile Organic Compound (EPA Method 24) 13.32; 146.3 g/l
 Evaporation Rate (Ether = 1) Not available
 pH: Does not apply
 Appearance: Blue liquid
 Odor: Mild

IV. FLAMMABILITY AND EXPLOSIVE PROPERTIES

Flash Point: More than 200°F Method: Tag Closed Cup
 Estimated NFPA Code:
 Health Hazard: 1
 Fire Hazard: 1
 Reactivity Hazard: 1
 Specific Hazard: Does not apply
 Estimated HHIS Code:
 Health Hazard: 1
 Flammability Hazard: 1
 Reactivity Hazard: 1
 Personal Protection: See Section X.
 Explosive Limits:
 (% by volume in air) Lower Not available
 (% by volume in air) Upper Not available
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Hazardous Products Formed by Fire or Thermal Decomp: Irritating organic vapors
 Unusual Fire or Explosion Hazards: None
 Compressed Gases: None
 Pressure at Room Temp.: Does not apply

V. SPILL OR LEAK AND DISPOSAL PROCEDURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.
 Recommended methods of disposal: Incinerate following EPA and local regulations.

VI. STORAGE AND HANDLING PROCEDURES

Safe Storage: Store below 110°F.
 Handling: Avoid prolonged skin contact. Keep away from eyes.

VII. SHIPPING REGULATIONS

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (203) 571-5100

ISSUED 12/20/94
20:12:32
FAX: (203) 571-5465

MATERIAL SAFETY DATA SHEET

Page 2 of 3

Product Name: Removable Threadlocker 242
Item No.: 24231

VII. SHIPPING REGULATIONS

(continued)

IATA
Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

VIII. REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products (non-thermal): None
Incompatibility: None

IX. EMERGENCY TREATMENT PROCEDURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Does not apply.
Skin Contact: Wash thoroughly with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

X. PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Neoprene, rubber, or butyl rubber gloves.
Ventilation: Does not apply.

XI. HEALTH HAZARD DATA

Toxicity: Mild eye irritant.
Oral LD50 more than 10000 mg/kg.
Dermal LD50 more than 5000 mg/kg.
None known.
Primary Routes of Entry: None known.
Signs and Symptoms of Exposure: May cause dermatitis on prolonged contact in sensitive individuals.
Existing Conditions Aggravated by Exposure: None known.

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
METHYL ALCOHOL	200ppm TWA skin	200ppm TWA skin	None
SILICA, AMORPHOUS TREATED	262 mg/m3 skin	262 mg/m3 skin	None
TITANIUM DIOXIDE	10 mg/m3 TWA	6 mg/m3 TWA	None
	10 mg/m3 dust	15 mg/m3 dust	None
		5 mg/m3 resp	

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
METHYL ALCOHOL	250 ppm skin	250 ppm skin
	328 mg/m3 skin	325 mg/m3 skin

Ingredients for which no Exposure Limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Polyglycol dimethacrylate	ALG SKI	NO	NO	NO
Polyglycol oleate	IRR	NO	NO	NO
SACCHARIN	MUT	YES	2B	NO
CUMENE HYDROPEROXIDE	IRR MUT NER	NO	NO	NO
METHYL ALCOHOL	EYE GAS IRR NER REP TER	NO	NO	NO
SILICA, AMORPHOUS TREATED	LUN	NO	N/A	NO
N,N-Dialkyltoluidines	No Data	NO	NO	NO
	Van Lim pnc	NO	NO	NO

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06067-3910
EMERGENCY PHONE: (203) 571-5100

ISSUED 12/20/94
20:12:32
FAX: (203) 571-5465

MATERIAL SAFETY DATA SHEET

Page 1 of 3

I. PRODUCT IDENTIFICATION

Product Name: Removable Threadlocker 242
Item No.: 24231
Product Type: Anaerobic
Formula No.: Does not apply

10-30-191569

II. COMPOSITION

LOCTITE CORPORATION

1001 TROUT BROOK CROSSING
ROCKY HILL, CT 06867-3910
EMERGENCY PHONE: (203) 571-5100

ISSUED 12/20/94
20:12:32
FAX: (203) 571-5465

MATERIAL SAFETY DATA SHEET

Page 3 of 3

Product Name:
Item No.:

Removable Threadlocker 242
242B1

XIII. PREPARATION INFORMATION

Prepared By:
Title:
Company:
(24hr.) Phone:
Revision Date:

Stephen Repetto
Research Chemist, Environmental Health & Safety
Loctite Corp., 1001 Tr Br Cr, Rocky Hill Ct 06867
(203) 571-5100
January 04, 1994

Revision: 0017

MATERIAL SAFETY DATA SHEET

191585

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PRIMER T 7471 AEROSOL
Item No.: 22477
Product Type: Aerosol accelerator

2 COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ACETONE	67-64-1	65-70
ISOBUTANE	75-28-5	20-25
ISOPROPYL ALCOHOL	67-63-0	5-10
2-Mercaptobenzothiazole*	149-30-4	1-3
N,N-Dialkanol toluidine	3077-12-1	0.1-1

VOC
8.306%
100g/l base only

This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
ACETONE	750 ppm TWA 1780 mg/m3	750 ppm TWA 1800 mg/m3	None
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
ACETONE	1000 ppm 2380 mg/m3	1000 ppm 2400 mg/m3
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3

3 HAZARDS IDENTIFICATION

Toxicity: Possible eye and respiratory irritant.
Narcotic at high concentrations.
Prolonged inhalation may cause headaches.
Moderately toxic by ingestion
Liquid may defat skin.

Primary Routes of Entry: Inhalation, ingestion, contact.

Signs and symptoms of Exposure: Vapors irritate eyes, nose and throat.
Liquid is an eye irritant and may irritate skin.

Existing Conditions Aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
ACETONE	BLO CNS IRR	NO	NO	NO
ISOBUTANE	CAR CNS LUN	NO	NO	NO
ISOPROPYL ALCOHOL	ALG CNS IRR	NO	N/A	NO
2-Mercaptobenzothiazole	ALG	NO	NO	NO
N,N-Dialkanol toluidine	ALG	NO	NO	NO

Abbreviations

N/A Not Applicable
BLO Blood
CNS Central nervous system
LUN Lung
ALG Allergen
CAR Cardiac
IRR Irritant

4 FIRST AID MEASURES

Ingestion: Give water to dilute. Do not induce vomiting.
Inhalation: Keep individual calm. Obtain medical attention.
Remove to fresh air. If symptoms persist, obtain

MATERIAL SAFETY DATA SHEET

Product Name: PRIMER T 7471 AEROSOL
 No.: 22477

FIRST AID MEASURES

(continued)

Skin Contact: medical attention
 Wash with soap and water.
 Eye Contact: Flush with water for at least 15 minutes. Obtain
 medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: Approximately 17°F (Base) Method: Tag Closed Cup
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Hazardous Products formed by Fire or Thermal Decomposition: Irritating organic vapors
 Unusual Fire or Explosion Hazards: Cans may explode in fires.
 Explosive Limits:
 (% by volume in air) Lower 2.6% Acetone
 1.8% Isobutane
 2.0% Isopropyl alcohol
 (% by volume in air) Upper 13% Acetone
 12.7% at 200°F Isopropyl alcohol
 8.4% Isobutane

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Avoid flame and sparks. Maintain adequate ventilation. Soak up in an inert absorbent and store in a closed container until disposal.

7. HANDLING AND STORAGE

Safe Storage: Store away from flame and sparks and below 120°F
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Avoid prolonged breathing of fumes. Avoid skin or eye contact. Do not use near heat, sparks, or open flame.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Rubber or plastic gloves.
 Ventilation: Sufficient to maintain vapor concentration below TLV.
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber liquid (Base only)
 Odor: Acetone
 Boiling Point: Not available
 pH: Does not apply
 Solubility in Water: Miscible
 Specific Gravity: 0.791 (Base only)
 Volatile Organic Compound (EPA Method 24) 12.96%; 103 grams per liter of material -base only
 Vapor Pressure: Approximately 172 mm Hg at 68°F (Base only)
 Vapor Density: Not available
 Evaporation Rate (Ether = 1) Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Strong oxidizers, peroxides
 Hazardous Decomposition Products (non-thermal): None

MATERIAL SAFETY DATA SHEET

Product Name: PRIMER T 7471 AEROSOL
I.D. No.: 22477

1. TOXICOLOGICAL INFORMATION

See Section 3.

2. ECOLOGICAL INFORMATION

No data available

3. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Use disposal service licensed to handle flammable aerosols.

PA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

4. TRANSPORT INFORMATION

DOT (49 CFR 172)
Domestic Ground Transport
Proper Shipping Name: Consumer Commodity
Hazard Class or Division: ORM-D
Identification Number: None
Marine Pollutant: None

IATA
Proper Shipping Name: Aerosols, flammable, n.o.s.
Class or Division: Division 2.1
UN or ID Number: UN 1950

5. REGULATORY INFORMATION

Proposition 65: Not available

6. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 2
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 2
Flammability Hazard: 4
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto
Title: Research Chemist, Environmental Health & Safety
Company: Loctite Corp, 1001 Tr Br Cr, Rocky Hill CT 06067
(4hr.) Phone: (860) 571-5100
Revision Date: September 11, 1996
Revision: 0005

Attn: Kelly



MATERIAL SAFETY DATA SHEET

DATE PREPARED OR REVISED: JUNE 1990

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. IPS Corporation urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on this sheet.

SECTION I

MANUFACTURER'S NAME IPS Corporation		TRANSPORTATION EMERGENCIES: CHEMTREC: (800) 424-9300 Medical Emergencies: (213) 484-6151 (LA. Poison Center 24 Hr. No.) Business: (213) 321-6515
ADDRESS 17109 S. Main St., P.O. Box 379, Gardena, CA 90248		
CHEMICAL NAME AND FAMILY Solvent Cement for Plastic Pipe Mixture of PVC Resin and Organic Solvents		TRADE NAME Weld-On 717 for PVC Plastic Pipe FORMULA Proprietary

SECTION II - HAZARDOUS INGREDIENTS

NONE OF THE INGREDIENTS BELOW ARE LISTED AS CARCINOGENS BY IARC, NTP, OSHA	CAS #	APPROX %	ACGIH-TLV	OSHA-PEL
Polyvinyl Chloride Resin	9002-86-2	10-20	N/A	N/A
Tetrahydrofuran (THF)	109-99-9	55-70 <i>57.3</i>	200 ppm	200 ppm
Methyl Ethyl Ketone (MEK)	78-93-3	15*	200 ppm	200 ppm
Cyclohexanone	108-94-1	5-15 <i>9.2</i>	25 ppm Skin	50 ppm (Trans) 25 ppm Skin

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

SHIPPING INFORMATION DOT HAZARD CLASS: FLAMMABLE LIQUID DOT SHIPPING NAME: CEMENT FLAMMABLE LIQUID IDENTIFICATION NUMBER: UN/NA 1133	SPECIAL HAZARD DESIGNATIONS		
	HEALTH: FLAMMABILITY: REACTIVITY: PROTECTIVE EQUIPMENT:	HMIS 2 3 0 H	NFPA 2 3 1 —

SECTION III - PHYSICAL DATA

APPEARANCE Opaque gray or clear, medium syrupy liquid	ODOR Ethereal	BOILING POINT (°F/°C) 151°F based on first boiling component THF
SPECIFIC GRAVITY @ 73±2°F Typical 0.958 ± 0.010 <i>1.19 #/gal</i>	VAPOR PRESSURE (mm Hg) 143 mm Hg. based on first boiling component, THF @ 20°C	PERCENT, VOLATILE BY VOLUME (%) Approximately 80-85%
VAPOR DENSITY (Air = 1) 2.49	EVAPORATION RATE (BUAC = 1) Approx. 5-8	SOLUBILITY IN WATER Solvent portion completely soluble in water. Resin portion precipitates

VOC STATEMENT: This cement contains 780 grams of VOC per liter as manufactured. More than 80 percent of the VOC acts as a reactive diluent and remains in the pipe joint. *61.5 690 g. 5.1 #/gal 2.6 #/gal 32.6% VOC*

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT T.C.C. 6°F Based on THF	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LEL 1.8	UEL 11.8
---	---	-------------------	--------------------

FIRE EXTINGUISHING MEDIA
 Aqueous "Purple K" potassium bicarbonate dry chemical, carbon dioxide, National Aer-O-Foam universal alcohol resistant foam, water spray.

SPECIAL FIRE FIGHTING PROCEDURES
 Evacuate enclosed areas, stay upwind. Close or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

USUAL FIRE AND EXPLOSION HAZARDS
 Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source of ignition.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES
ENTRY: Inhalation Skin Contact Eye Contact Ingestion

EFFECT OF OVEREXPOSURE

ACUTE: Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages. Skin Contact: Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact. Skin Absorption: Prolonged or widespread exposure may result in the absorption of harmful amounts of material. Eye Contact: Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. Vapors slightly uncomfortable. Ingestion: Moderately toxic. May cause nausea, vomiting, diarrhea. May cause mental sluggishness.

CHRONIC: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration — preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call physician.

Eye Contact: Flush eyes with plenty of water for 15 mins. and call a physician.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 mins. If irritation develops, get medical attention.

Ingestion: Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition.

INCOMPATIBILITY
(MATERIALS TO AVOID)

Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS

When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate all ignition sources. Avoid breathing of vapors. Keep liquid out of eyes. Flush with large amount of water. Contain liquid with sand or earth. Absorb with sand or nonflammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering drains.

WASTE DISPOSAL METHOD

Follow local, State and Federal regulations. Consult disposal expert. Can be disposed of by incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposing. Hazardous Waste Code: 214

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Use only SCBA for emergencies.

VENTILATION

Explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits.

PROTECTIVE GLOVES

PVA coated

EYE PROTECTION

Splashproof chemical goggles

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

Impervious apron and a source of running water to flush or wash the eyes and skin in case of contact.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in the shade between 40°F-110°F. Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work with this product.

OTHER PRECAUTIONS

Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All handling equipment should be electrically grounded.



MATERIAL SAFETY DATA SHEET

DATE PREPARED
OR REVISED: JUNE 1990

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. IPS Corporation urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on this sheet.

SECTION I

MANUFACTURER'S NAME IPS Corporation	TRANSPORTATION EMERGENCIES: CHEMTREC: (800) 424-9300 Medical Emergencies: (213) 484-5151 (L.A. Poison Center 24 Hr. No.) Business: (213) 321-6515
ADDRESS 17109 S. Main St., P.O. Box 379, Gardena, CA 90248	

CHEMICAL NAME AND FAMILY Solvent Cement for Plastic Pipe Mixture of PVC Resin and Organic Solvents	TRADE NAME: Weld-On 795 for Flex PVC Plastic Pipe FORMULA Proprietary
---	---

SECTION II - HAZARDOUS INGREDIENTS

NONE OF THE INGREDIENTS BELOW ARE LISTED AS CARCINOGENS BY IARC, NTP, OSHA.	CAS #	APPROX %	ACGIH-TLV	OSHA-PEL
Polyvinyl Chloride Resin (PVC)	9002-86-2	10-20	N/A	N/A
Tetrahydrofuran (THF)	109-89-9	40-55	200 ppm	200 ppm
Methyl Ethyl Ketone (MEK)	78-93-3	40*	200 ppm	200 ppm
Cyclohexanone	108-94-1	1-5	25 ppm Skin	50 ppm (Inhal) 25 ppm (Skin)

*Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

SHIPPING INFORMATION DOT HAZARD CLASS: FLAMMABLE LIQUID DOT SHIPPING NAME: CEMENT FLAMMABLE LIQUID IDENTIFICATION NUMBER: UN/NA 1133	SPECIAL HAZARD DESIGNATIONS		
	HEALTH: FLAMMABILITY: REACTIVITY: PROTECTIVE EQUIPMENT:	NMIB 2 3 0 H	NFPA 2 3 1 —

SECTION III - PHYSICAL DATA

APPEARANCE Clear, medium syrupy liquid	ODOR Ethereal	BOILING POINT (°F/°C) 161°F based on first boiling component THF
SPECIFIC GRAVITY @ 73±1°F Typical 0.904 ± 0.010	VAPOR PRESSURE (mm Hg.) 143 mm Hg. based on first boiling component, THF @ 20°C	PERCENT VOLATILE BY VOLUME (%) Approximately 90%
VAPOR DENSITY (Air = 1) 2.49	EVAPORATION RATE (BUAC = 1) Approx. 5-8	SOLUBILITY IN WATER Solvent portion completely soluble in water. Resin portion precipitates

VOC STATEMENT: This cement contains 760 grams of VOC per liter as manufactured. More than 90 percent of the VOC acts as a reactive diluent and remains in the pipe joint.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT T.C.C. 6°F Based on THF	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LEL 1.8	UEL 11.8
---	---	-------------------	--------------------

FIRE EXTINGUISHING MEDIA
Ansul "Purple K" potassium bicarbonate dry chemical, carbon dioxide, National Aer-O-Foam universal alcohol resistant foam, water spray.

SPECIAL FIRE FIGHTING PROCEDURES
Evacuate enclosed areas, stay upwind. Close or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source of ignition.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES
OF ENTRY: Inhalation Skin Contact Eye Contact Ingestion

EFFECT OF OVEREXPOSURE

ACUTE: Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause weakness, irritation of eyes and nasal passages. Skin Contact: Skin Irritant Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact. Skin Absorption: Prolonged or widespread exposure may result in the absorption of harmful amounts of material. Eye Contact: Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. Vapors slightly uncomfortable. Ingestion: Moderately toxic. May cause nausea, vomiting, diarrhea. May cause mental sluggishness.

CHRONIC: None currently known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration — preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call physician.

Eye Contact: Flush eyes with plenty of water for 15 mins. and call a physician.

Skin Contact: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 mins. If irritation develops, get medical attention.

Ingestion: Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition.

INCOMPATIBILITY
(MATERIALS TO AVOID)

Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS

When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.

REACTIVITY

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate all ignition sources. Avoid breathing of vapors. Keep liquid out of eyes. Flush with large amount of water. Contain liquid with sand or earth. Absorb with sand or nonflammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering drains.

WASTE DISPOSAL METHOD

Follow local, State and Federal regulations. Consult disposal expert. Can be disposed of by incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposing. Hazardous Waste Code: 214

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Use only SCBA for emergencies.

VENTILATION

Explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits.

PROTECTIVE GLOVES

PVA coated

EYE PROTECTION

Splashproof chemical goggles

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

Impervious apron and a source of running water to flush or wash the eyes and skin in case of contact.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in the shade between 40°F-110°F. Keep away from heat, sparks, open flames and other sources of ignition. Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work with this product.

OTHER PRECAUTIONS

Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All handling equipment should be electrically grounded.

Information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results to be obtained from the use thereof.

Prepared by: George Bianco of IPB

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110
 Duns No.: 00-617-3082

04-68
 13148

MATERIAL SAFETY
 DATA SHEET



DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME:

3M Silicone Lubricant 180-702 19173A

3M I.D. NUMBER: 62-4613-4825-2 62-4613-4935-9

ISSUED: AUGUST 7, 1992
 SUPERSEDES: APRIL 25, 1992
 DOCUMENT: 10-3314-1

1. INGREDIENT	C.A.S. NO.	PERCENT	
ISOBUTANE	75-28-5	70.0	- 80.0
- N-HEXANE	110-54-3	10.0	- 20.0
- HEXANE (OTHER ISOMERS)	None	1.0	- 10.0
INERT SILICONE FLUID	63148-62-9	1.0	- 10.0

Handwritten: 180-702 19173A

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
 VAPOR PRESSURE:..... Compressed gas
 VAPOR DENSITY:..... > 1.00 Air = 1
 EVAPORATION RATE:..... > 1.00 Ether = 1
 SOLUBILITY IN WATER:..... Negligible
 SP. GRAVITY:..... 0.700 Water = 1 5.24 #/g
 PERCENT VOLATILE:..... 95.00 % by wt
 VOLATILE ORGANICS:..... 560.00 gms/liter 4.67 #/l (20%)
 VOC LESS H2O & EXEMPT SOLVENT N/D
 pH:..... N/A
 VISCOSITY:..... N/A
 MELTING POINT..... N/D
 APPEARANCE AND ODOR: liquid, transparent, very slight odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
 FLAMMABLE LIMITS - LEL:..... 1.20 % by vol
 FLAMMABLE LIMITS - UEL:..... 6.90 % by vol
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO2, foam, dry chemical
 SPECIAL FIRE FIGHTING PROCEDURES:
 Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Extremely Flammable. Treat as flammable pressurized container. Overheated, closed container adjacent to fire could explode due to internal pressure buildup.
 NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 REACTIVITY 0
 UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable
 INCOMPATIBILITY - MATERIALS TO AVOID:
 N/A
 CONDITIONS TO AVOID: Do not puncture or incinerate can. Do not

Abbreviations: N/D - Not Determined N/A - Not Applicable

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

04-68
13149

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Silicone Lubricant
AUGUST 7, 1992

PAGE: 2 of 4

4. REACTIVITY DATA (continued)

store at temperatures above 120F.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, CO2 and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

If cans rupture, observe precautions from other sections. Extinguish all ignition sources and ventilate area. Use inorganic absorbent to absorb spill, place absorbed product and partially full cans in a U.S. Dept. of Transportation approved metal container and seal.

RECOMMENDED DISPOSAL:

Incinerate absorbed product and partially full cans in a hazardous waste facility. U.S. EPA HAZARDOUS WASTE NUMBER: D001 (IGNITABLE). Dispose of empty cans in a sanitary landfill or incinerate in a commercial facility capable of handling aerosol cans. Consult applicable regulations or authorities before disposal.

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):
Maximum VOC = 560 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 560 grams/liter.
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

SARA HAZARD CLASS:

FIRE HAZARD: Yes **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

Move affected person to fresh air at once. If breathing difficulties persist, call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110
 Duns No.: 00-617-3082

04-68
 13150

MATERIAL SAFETY
 DATA SHEET



MSDS: 3M Silicone Lubricant
 AUGUST 7, 1992

PAGE: 3 of 4

7. PRECAUTIONARY INFORMATION

OTHER PRECAUTIONARY INFORMATION:

Keep product and its vapors away from heat, sparks, flames, and all other sources of ignition. Extinguish and do not ignite any flame in the immediate work area. The vapors released by the product can be ignited easily and burn explosively. Avoid prolonged breathing of vapors and spray. Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below recommended exposure limits. Local exhaust ventilation may be needed if large quantities are sprayed in a short period of time. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate can. Do not store at temperatures above 120F. Keep out of the reach of children.

Additional exposure limits: hexane (other isomers) 1000ppm, STEL, ACGIH, 3500mg/m3, STEL, ACGIH.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
ISOBUTANE	NONE	NONE	NONE NONE	
N-HEXANE	50	ppm	TWA ACGIH	
N-HEXANE	176	mg/m3	TWA ACGIH	
N-HEXANE	50	ppm	TWA OSHA	
N-HEXANE	180	mg/m3	TWA OSHA	
HEXANE (OTHER ISOMERS)	NONE	NONE	NONE NONE	
INERT SILICONE FLUID	NONE	NONE	NONE NONE	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Liquid irritating to eyes upon direct contact.

SKIN CONTACT:

Prolonged and repeated skin contact may defat skin leading to irritation and dermatitis. n-Hexane may be absorbed through the skin in harmful amounts.

INHALATION:

Overexposures to vapor concentrations that exceed

Abbreviations: N/D - Not Determined N/A - Not Applicable

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
612/733-1110
Duns No.: 00-617-3082

04-68
13151

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Silicone Lubricant
AUGUST 7, 1992

PAGE: 4 of 4

8. HEALTH HAZARD DATA (continued)

recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to n-hexane vapors may cause nervous system damage. Symptoms of overexposure may range from mild light-headedness through weakness, dizziness, headache, nausea and facial numbness. Gross overexposure, such as is caused by deliberately concentrating and inhaling vapors in a confined vessel, can result in serious damage including asphyxiation and death.

IF SWALLOWED:

Accidental ingestion from an aerosol container is unlikely. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs caused by vomiting can cause lung damage, which can be harmful.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	APRIL 25, 1992 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	AUGUST 5, 1992 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.

MATERIAL SAFETY
DATA SHEET

CLEANER, GLASS
19742

175-15 191742

3M MM 8968

Copyright, 1996, Minnesota Mining and Manufacturing Company.
All rights reserved. Copying and/or downloading of this information for
the purpose of properly utilizing 3M products is allowed provided that:
1) the information is copied in full with no changes unless prior agreement
is obtained from 3M, and
2) Neither the copy nor the original is resold or otherwise distributed with
the intention of earning a profit thereon.

DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:
3M Glass Cleaner, P/N 08968

3M ID NUMBER/U.P.C.: 62-4660-4909-5 00-51135-08968-2 78-8095-4139-0

ISSUED: AUGUST 23, 1996
SUPERSEDES: JULY 19, 1995
DOCUMENT: 10-6250-4

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER	7732-18-5	80.0
2-BUTOXYETHANOL	111-76-2	1.0
ISOBUTANE	75-28-5	1.0

Handwritten notes: 90.0, 88.54, 5.73, 11.46, 5.73, ~11.5%

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY
RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
2-BUTOXYETHANOL

2. PHYSICAL DATA

BOILING POINT:	Compressed Gas
VAPOR PRESSURE:	Compressed Gas
VAPOR DENSITY:	4.07 Air = 1
EVAPORATION RATE:	ca. 45.00 Ether = 1
SOLUBILITY IN WATER:	Complete
SP. GRAVITY:	0.995-1.000 Water = 1 @ 70F
PERCENT VOLATILE:	99.00 % by wt
pH:	10.90-11.30 @ 70F
VISCOSITY:	N/A
MELTING POINT:	N/D
APPEARANCE AND ODOR:	liquid in aerosol container, foamy white, slight ammonia-like odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	-20.00 F T.O.C. (PROPELLANT)
FLAMMABLE LIMITS - LEL:	N/A
FLAMMABLE LIMITS - UEL:	N/A
AUTOIGNITION TEMPERATURE:	N/D
EXTINGUISHING MEDIA:	Water, Carbon dioxide, Dry chemical, Foam

Abbreviations: N/D - Not Determined N/A - Not Applicable

MATERIAL SAFETY
DATA SHEET**3M**MSDS: 3M Glass Cleaner, P/N 08968
AUGUST 23, 1996

PAGE: 2 of 5

3. FIRE AND EXPLOSION HAZARD DATA (continued)**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Heat.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or Particulates.

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Collect spilled material. Clean up residue with water. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Do not puncture or burn cans in a household incinerator. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 108 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.
VOC Less H₂O & Exempt Solvents: 724 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Glass Cleaner, P/N 08968
AUGUST 23, 1996

PAGE: 3 of 5

5. ENVIRONMENTAL INFORMATION (continued)

EPCRA HAZARD CLASS:

FIRE HAZARD: No **PRESSURE:** Yes **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

VENTILATION PROTECTION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of spray or mists.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Store at temperatures above 32 degrees F (0 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Do not pierce or burn container, even after use.

MATERIAL SAFETY
 DATA SHEET

MSDS: 3M Glass Cleaner, P/N 08968
 AUGUST 23, 1996

PAGE: 4 of 5

7. PRECAUTIONARY INFORMATION (CONTINUED)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
WATER	NONE	NONE	NONE	NONE	
2-BUTOXYETHANOL	25	ppm	TWA	ACGIH	Y
2-BUTOXYETHANOL	25	ppm	TWA	OSHA	Y
ISOBUTANE	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

INHALATION:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE

MATERIAL SAFETY
DATA SHEETMSDS: 3M Glass Cleaner, P/N 08968
AUGUST 23, 1996

PAGE: 5 of 5

8. HEALTH HAZARD DATA (continued)

INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Ingestion may cause:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE JULY 19, 1995 ISSUE
---------	---

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

**MARTIN
SENOUR
PAINTS**®

Automotive Finishes
Spray Paints

MATERIAL SAFETY DATA SHEET

THE MARTIN-SENOUR CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - JUN - 92

©1992, The Martin-Senour Co.

7800/N2

SECTION II			Fast Dry Lacquer					Farm Equipment Acrylic Enamel									
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGM TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	7813 Gloss White	7814 Gloss Black	7815 Johnson Green	7816 Evinrude Blue	7818 Champion Blue	7821 M-F Gray	7822 H Red	7823 Deere Yellow	7824 A-C Orange	7826 Case Red	7828 Cat. Yellow	7829 Cat. Yellow #2
74-98-6	Propane (propellant)		1000	PPM	760.0	15	15	14	17	14	15	14	15	15	15	15	14
75-28-5	2-Methylpropane (propellant)		Not Established		760.0			11	11	11	15	14	15	15	15	15	14
64742-48-9	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0	5	5	2	2	2	15	14	15	15	15	15	14
64742-47-8	Mineral Spirits	100	100	PPM	2.0			2	2	2							3
108-88-3	§ Toluene	100 <150>	100 <150>	PPM	22.0	2	3	9	8	9	20	27	10	5	15	18	25
100-41-4	§ Ethylbenzene	100 <125>	100 <125>	PPM	7.1						2	2	4	4	3	2	
1330-20-7	§ Xylene	100 <150>	100 <150>	PPM	5.9	1	1				10	8	16	17	12	7	
64742-95-6	Lt. Aromatic Naphtha	100		PPM	3.8							2					
67-56-1	§ Methanol	200 <250>	200 <250>	PPM (Skin)	92.0		1										
64-17-5	Ethanol	1000	1000	PPM	44.0	1				2							
67-63-0	§ 2-Propanol	400 <500>	400 <500>	PPM	33.0		1	2	2	2							
78-83-1	2-Methyl-1-Propanol	50	50	PPM	8.7	2	2										
111-76-2	§ 2-Butoxyethanol	25	25	PPM (Skin)	0.6	1		2	2	2							
67-64-1	§ Acetone	750 <1000>	750 <1000>	PPM	180.0	48	49	42	42	42	18	17	22	25	22	22	25
78-93-3	§ Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0	2	1	3	3	3							
108-21-4	Isopropyl Acetate	250 <310>	250 <310>	PPM	47.5			3	3	3							
763-69-9	Ethyl 3-Ethoxypropionate.		Not Established		1.1	7	6	6	6	6	3		3	4	4	4	
123-86-4	n-Butyl Acetate.	150 <200>	150 <200>	PPM	10.0			2	2	2							
110-19-0	Isobutyl Acetate.	150	150	PPM	12.5	3	3										
628-63-7	Amyl Acetate.	100	100	PPM	4.0			2									
13463-67-7	Titanium Dioxide.	10	10(5)	Mg/M3 as Dust [Resp. Fraction]		3					6	3					1

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

15-10-191858

Spray Paints

7800/N

Section III — PHYSICAL DATA

PRODUCT WEIGHT - N.A.	EVAPORATION RATE - Faster than Ethyl
SPECIFIC GRAVITY - N.A.	VAPOR DENSITY - Heavier than Air
BOILING RANGE - <0-360 °F	MELTING POINT - N.A.
VOLATILE RANGE - >75 %	SOLUBILITY IN WATER - N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT <0 °F P100 LEL 0.1 UEL 6.0
RED LABEL - Extremely Flammable, Flash below 21 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

7887 Chevy Orange and 7892 Ford Red contain Lead. Acute occupational exposure to Lead is uncommon, but results in effects and symptoms similar to chronic overexposure described below.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE

VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

7887 Chevy Orange and 7892 Ford Red contain Lead Chromate (Molybdate Orange). Chronic overexposure to Lead may result in damage to the blood-forming, nervous, urinary, and reproductive systems (including embryotoxic effects). Symptoms include abdominal discomfort or pain, constipation, loss of appetite, metallic taste, nausea, insomnia, nervous irritability, weakness, muscle and joint pains, headache and dizziness. Chromates are listed by IARC and NTP. Although studies have associated exposure to Chromium VI compounds with an increased risk of respiratory cancer, available evidence indicates that Lead Chromate (Chrome Yellow, Molybdate Orange) DOES NOT present this hazard.

Prolonged and repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of Methyl Ethyl Ketone.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable
INCOMPATIBILITY -- None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section II
HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Lead or Chromate must also be tested for extractability. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Before initial use of 7887 and 7892, consult OSHA's Standard for Occupational Exposure to Lead (29 CFR 1910.1025).

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels only during sanding or striding of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOE STORAGE CATEGORY - 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame.

Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

7887 Chevy Orange and 7892 Ford Red CONTAIN LEAD. Do not apply on toys and other children's articles, furniture, or any interior surface of a dwelling or facility which may be occupied or used by children. Do not apply on any exterior surface of dwelling units, such as window sills, porches, stairs, or railings to which children may be commonly exposed.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

III-12 to III-21

**MARTIN
SENOUR
PAINTS**®

MATERIAL SAFETY DATA SHEET

THE MARTIN-SENOUR CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO.
(216) 566-2917
INFORMATION TELEPHONE NO.
(216) 566-2902

DATE OF PREPARATION
1 - Oct - 92

©1992, The Martin-Senour Co.

Automotive Finishes

Spray Paints

7800/N7

SECTION II						Engine Enamel						Trunk Finish			Hi-Temp	
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	7893 Universal Aluminum	7894 GM Blue	7895 Chrysler Blue	7896 GM S-C Black	7897 Ford Gray	7898 Cummins Beige	7917 Gray- White	7918 Black Red-Blue	7919 Beige- White	7921 White	7922 Black
74-98-8	Propane (propellant)		1000	PPM	760.0	15	14	14	13	14	14	7	7	7	15	3
75-28-5	2-Methylpropane (propellant)		Not Established		760.0		14	14	14	14	14	7	7	7	15	3
64742-89-8	Lt. Aliphatic HC Solvent	100	100	PPM	53.0	5										15
64742-48-9	V. M. & P. Naptha.	300	300 <100>	PPM	12.0							31	31	31		15
64742-47-8	Mineral Spirits	100	100	PPM	2.0											5
108-83-3	§ Toluene	100 <150>	100 <150>	PPM	22.0	5	26	10	12	24	18				21	10
100-41-4	§ Ethylbenzene	100 <125>	100 <125>	PPM	7.1			2	2	1	2				3	
1339-20-7	§ Xylene	100 <150>	100 <150>	PPM	5.9	2		9	17	5	8				13	
64742-95-6	Lt. Aromatic Naphtha	100		PPM	3.8				2	2						2
67-63-0	§ 2-Propanol	400 <500>	400 <500>	PPM	33.0											
71-36-3	§ 1-Butanol	C 50	C 50	PPM	5.5											5
76-83-1	2-Methyl-1-Propanol	50	50	PPM	8.7	3										
67-84-1	§ Acetone	750 <1000>	750 <1000>	PPM	180.0	49	26	30	18	25	22				13	45
78-93-3	§ Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0	9										11
763-69-9	Ethyl 3-Ethoxypropionate.		Not Established		1.1	5	4	5			3					
110-19-0	Isobutyl Acetate	150	150	PPM	12.5	6										
14807-98-8	Talc	2	2	Mg/M3	as Resp Dust				9	2		1	1	1	4	
7727-43-7	§ Barium Sulfate	10	10[5]	Mg/M3	as Dust [Resp. Fraction]							3		3	2	
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3	as Dust [Resp. Fraction]		2	3		4	3	3	3	3	11	
1333-86-4	Carbon Black	3.5	3.5	Mg/M3	as Dust				2							

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Spray Paints

Section III — PHYSICAL DATA

PRODUCT WEIGHT - N.A.	EVAPORATION RATE -	Faster than Zinc
SPECIFIC GRAVITY - N.A.	VAPOR DENSITY -	Heavier than Air
BOILING RANGE - 40-160 °F	MELTING POINT -	N.A.
VOLATILE VOLUME - >75 %	SOLUBILITY IN WATER -	N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT <0 °F PHCC LEL 0.7 UEL 6.0

RED LABEL - Extremely Flammable. Flash below 21 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

USUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

7887 Chevy Orange and 7892 Ford Red contain Lead. Acute occupational exposure to Lead is uncommon, but results in effects and symptoms similar to chronic overexposure described below.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE

VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

7887 Chevy Orange and 7892 Ford Red contain Lead Chromate (Molybdate Orange). Chronic overexposure to Lead may result in damage to the blood-forming, nervous, urinary, and reproductive systems (including embryotoxic effects). Symptoms include abdominal discomfort or pain, constipation, loss of appetite, metallic taste, nausea, insomnia, nervous irritability, weakness, muscle and joint pains, headache and dizziness. Chromates are listed by IARC and MTP. Although studies have associated exposure to Chromium VI compounds with an increased risk of respiratory cancer, available evidence indicates that Lead Chromate (Chrome Yellow, Molybdate Orange) DOES NOT present this hazard.

Prolonged and repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of Methyl Ethyl Ketone.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable

INCOMPATIBILITY - None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section II

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with least absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 161. Waste must be tested for ignitability to determine the applicable EPA hazardous waste number. Waste from products containing Lead or Chromate must also be tested for extractability. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Before initial use of 7887 and 7892, consult OSHA's Standard for Occupational Exposure to Lead (29 CFR 1910.1025).

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates listed "as Dust" in Section II which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are MGIN TCV 10 mg./m³ (total dust), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX — PRECAUTIONS

DOL STORAGE CATEGORY - 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame.

Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone, keep area ventilated. Do not smoke. Extinguish all flames, pilot lights, and heaters. Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

7887 Chevy Orange and 7892 Ford Red CONTAIN LEAD. Do not apply on toys and other children's articles, furniture, or any interior surface of a dwelling or facility which may be occupied or used by children. Do not apply on any exterior surface of dwelling units, such as window sills, porches, stairs, or railings to which children may be commonly exposed.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

III-12 to III-21

MATERIAL SAFETY DATA SHEET

15-80-191882

RAABE CORPORATION
N92 W14701 ANTHONY AVE.
MENOMONEE FALLS, WI 53051
INFORMATION TELEPHONE #: 414-255-9500

FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
TELEPHONE #: 800-424-9300

MSDS #: 52 PRINT DATE: 1/3/94 PREPARATION DATE: 03/12/91 REPLACES DATE: NEW MSDS PREPARED BY: RMB

SECTION I - PRODUCT IDENTIFICATION

Sherwin Williams Co./Store #4316

RAABE PT.# 34408

13758 WESTERBEKE MARINE-RED

ACRYLIC ENAMEL AEROSOL SPRAY PAINT

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	WT. % LESS THAN	OCCUPATIONAL EXPOSURE LIMITS (TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	VAPOR PRESSURE mmHg @ 20C	KNOWN OR SUSPECTED CARCINOGEN	SEC 313
SILICON DIOXIDE	7831-86-0	0-2	10 mg/M3	Total Dust	0.0	NO	NO
ACETONE	67-64-1	35	750 ppm	1000 ppm	181.7	NO	YES
MINERAL SPIRITS	64742-88-7	0-2	100 ppm	NO INFO	8.0	NO	NO
PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6	5-20	NONE EST.	NONE EST.	3.8	NO	NO
XYLENE	1330-20-7	8-16	100 ppm	150 ppm	5.1	NO	YES
LIGHT AROMATIC SOLVENT NAPHTHA	64742-95-6	0-4	50 ppm	NO INFO	10.0	NO	NO
ACRYLIC POLYMER		3-5	NOT HAZARDOUS		0.0	NO	NO
ALKYD RESIN		7-14	NOT HAZARDOUS		0.0	NO	NO
ALUMINUM FLAKE	7429-90-5	0-2	10 mg/m3	NO INFO	0.0	NO	YES
N-BUTYL ACETATE	123-86-4	0-2	150 ppm	200 ppm	15.0	NO	NO
N-BUTANE	106-97-8	8	800 ppm	NO INFO	879.0	NO	NO
PROPANE	74-98-6	15	1000 ppm	NO INFO	5637.0	NO	NO
ORGANIC & INORGANIC PIGMENTS		0-10	NOT HAZARDOUS		0.0	NO	NO

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 40 CFR 372

SECTION III - PHYSICAL DATA

BOILING RANGE: 31-344° F VAPOR DENSITY: HEAVIER THAN AIR SPECIFIC GRAVITY: 7608-8017 *6.52 #/g*
EVAPORATION RATE: FASTER THAN N-BUTYL ACETATE VOLATILE BY VOLUME: 85.7-90.7% VOLATILE BY WEIGHT: 77.5 (85.7%) *81.6%*
ODOR: SOLVENT ODOR APPEARANCE: OPAQUE LIQUID SOLUBILITY: UNKNOWN

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: FLASH POINT: < -25° F LOWER EXPLOSIVE LIMIT: 1.0%
OSHA: FLAMMABLE LIQUID - CLASS IA (TAGLIABUE CLOSED CUP) UPPER EXPLOSIVE LIMIT: 12.8%
DOT: FLAMMABLE COMPRESSED GAS (SHIPPED UNDER CONSUMER COMMODITY ORM-D)

EXTINGUISHING MEDIA: DRY CHEMICAL CARBON DIOXIDE FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR SOURCES OF HEAT, SPARKS OR OPEN FLAME. KEEP AWAY FROM ANY SOURCE OF HEAT SUCH AS SUNLIGHT, HEATERS OR STOVES THAT COULD CAUSE THE CONTAINER TO BURST. DO NOT PUNCTURE OR INCINERATE. DO NOT CRUSH OR PLACE IN A GARBAGE COMPACTOR. DO NOT STORE ABOVE 120° F. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. PRODUCT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL A LONG DISTANCE TO A SOURCE OF IGNITION AND FLASHBACK.

SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF VAPORS SHOULD BE USED. WATER SPRAY SHOULD NOT BE USED EXCEPT TO KEEP DOWN VAPORS OR COOL CLOSED CONTAINERS TO PREVENT BUILD-UP OF PRESSURE. IF WATER IS USED, FOG NOZZLES ARE PREFERRED.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION, DERMAL

EFFECTS OF ACUTE OVEREXPOSURE: INHALATION: EXPOSURE TO HIGH CONCENTRATIONS OF VAPORS MAY CAUSE DIZZINESS, BREATHING DIFFICULTY, HEADACHES OR RESPIRATORY IRRITATION. EXTREMELY HIGH CONCENTRATIONS MAY CAUSE DROWSINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS, COMA OR DEATH. HIGH CONCENTRATIONS OF VAPORS MAY BE IRRITATING TO THE THROAT AND LUNGS. PROLONGED INHALATION OF DUSTS CONTAINING FREE SILICA MAY RESULT IN THE DEVELOPMENT OF A DISABLING PULMONARY FIBROSIS (LUNG DISEASE) KNOWN AS SILICOSIS. SKIN CONTACT: REPEATED AND PROLONGED CONTACT WITH THE SKIN MAY CAUSE ALLERGIC DERMATITIS. MAY CAUSE SKIN IRRITATION. EYE CONTACT: MAY CAUSE EYE IRRITATION. INGESTION: MODERATELY TOXIC. MAY CAUSE STOMACH DISCOMFORT, NAUSEA, VOMITING, DIARRHEA, AND NARCOSIS.

MSDS #: 52

PREPARATION DATE: 03/12/91

EFFECTS OF CHRONIC OVEREXPOSURE: CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IN THIS MATERIAL HAS BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: KIDNEY DAMAGE, EYE DAMAGE, LIVER DAMAGE, ANEMIA. CHRONIC OVEREXPOSURE TO A COMPONENT OR COMPONENTS IN THIS PRODUCT HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CARDIAC ABNORMALITIES. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

=====

SECTION V - HEALTH HAZARD DATA

=====

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: NONE GENERALLY RECOGNIZED.

EMERGENCY AND FIRST AID PROCEDURES: **INHALATION OVEREXPOSURE:** MOVE PERSON TO FRESH AIR. IF BREATHING STOPS, APPLY ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION. **EYE CONTACT:** FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. **SKIN CONTACT:** WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. SEEK MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. **INGESTION:** SINCE THIS PRODUCT MAY CONTAIN MATERIALS WHICH CAN CAUSE LUNG DAMAGE IF ASPIRATED INTO THE LUNGS, THE DECISION WHETHER TO INDUCE VOMITING OR NOT MUST BE MADE BY A PHYSICIAN AFTER CAREFUL CONSIDERATION OF ALL MATERIALS INGESTED.

=====

SECTION VI - REACTIVITY DATA

=====

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE, AND UNIDENTIFIABLE ORGANIC MATERIALS.

CONDITIONS TO AVOID: AVOID CONTACT WITH HEAT, SPARKS, AND OPEN FLAME.

INCOMPATIBILITY: STRONG OXIDIZING AGENTS. ALUMINUM FLAKE CAN REACT VIOLENTLY WITH HALOGENATED HYDROCARBONS INCLUDING HALOGENATED FIRE EXTINGUISHING AGENTS. ALUMINUM FLAKE CAN ALSO REACT WITH SOME ACIDS, CAUSTIC SOLUTIONS.

=====

SECTION VII - SPILL OR LEAK PROCEDURES

=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID HEAT, SPARKS, FLAMES, AND ANYTHING WHICH COULD CAUSE FIRE. VENTILATE AREA OF SPILL AND ADJACENT LOW-LYING AREAS. AVOID BREATHING SOLVENT VAPORS. REMOVE WITH INERT ABSORBENT MATERIALS AND NON-SPARKING TOOLS.

WASTE DISPOSAL METHOD: PLACE IN CLOSED CONTAINERS. DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

=====

SECTION VIII - SAFE HANDLING AND USE INFORMATION

=====

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMITS ARE EXCEEDED FOR ANY COMPONENT (SEE SECTION 2 FOR HAZARDOUS COMPONENTS AND EXPOSURE LIMITS), A NIOSH/OSHA APPROVED RESPIRATOR SUITABLE FOR COMPONENTS LISTED IS RECOMMENDED.

VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S TLV LIMIT.

PROTECTIVE GLOVES: CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES ARE RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD ARE RECOMMENDED IF CONTACT WITH EYES IS LIKELY.

OTHER PROTECTIVE EQUIPMENT: APPROPRIATE IMPERVIOUS CLOTHING IS RECOMMENDED IF PROLONGED OR REPEATED CONTACT IS LIKELY.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY.

=====

SECTION IX - SPECIAL PRECAUTIONS

=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR STORING MATERIALS SHOWN IN SECTION II. STORE IN A COOL PLACE AWAY FROM DIRECT SUNLIGHT OR ANY SOURCE OF IGNITION. DO NOT STORE AT TEMPERATURES ABOVE 120 DEGREES F.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THIS PRODUCT CAN BE HARMFUL OR FATAL.

=====

SECTION X - HMIS RATINGS

=====

HEALTH: 2 **FLAMMABILITY:** 4 **REACTIVITY:** 0 **PERSONAL PROTECTION:** G

=====

SECTION XI - DISCLAIMER

=====

THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

*****MATERIAL SAFETY DATA SHEET*****
For Coatings, Resins and Related Materials

15-80-191924

SECTION I-PRODUCT AND PREPARATION INFORMATION

MANUFACTURER: RUST-OLEUM CORPORATION EMERGENCY AND INFORMATION
ADDRESS: 11 Hawthorn Parkway TELEPHONE: (708)367-7700
Vernon Hills, IL 60061

PRODUCT CLASS: Alkyd resin-High gloss enamel
MANUFACTURERS CODE: 7424, 7435*, 7443*, 7449, 7458*, 7466*, 7524
7533, 7543*, 7555*, 7564, 7715, 7722, 7724, 7727,
7735, 7736, 7738, 7743, 7745, 7747, 7756, 7762, 7763,
7765, 7770, 7771, 7775, 7779, 7786 and 7792
TRADE NAME: Rust-Oleum Professional Coatings
DATE OF PREPARATION: January 12, 1995 (dlc)

*UNLEADED ONLY: earlier leaded versions exist, with separate MSDS's.

SECTION II-HAZARDOUS INGREDIENTS

INGREDIENT/CAS No	WT %	EXPOSURE LIMITS			
		ACGIH-TLV	OSHA-PEL	LEL	mm Hg@20C
Mineral Spirits/8052-41-3	35-55%*	100ppm	100ppm	1.0%	2.0
Xylene/1330-20-7	0-2%	100ppm	100ppm	1.0%	9.5

* Nearest 5%

NE-not established NA-not applicable

SECTION III-PHYSICAL DATA

Boiling range: 307-389 F Vapor density- Heavier than air
(153-198 C)
Evaporation Rate: Slower % Volatile: 47-78% Wt/gal: 7.5-9.5 lbs.
(Kether-1) (by volume) pH: NA

Rick
2/8/95VOC
484.5 g/l
4.04 #/g
51.8 g/lSECTION IV-FIRE AND EXPLOSION HAZARDS

Flammability Classification: OSHA Class II Flashpoint: 102-105 F (TCC)
Combustible liquid
DOT Classification: Flammable liquid 3 PgIII
Extinguishing Media: NFPA Class B extinguishers (Carbon dioxide, dry chemical
or foam)

Special Fire Fighting Procedures:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion. If water is used, fog nozzles are preferred.

Unusual Fire and Explosion Hazards:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

SECTION V-HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Acute (Inhalation): Harmful if inhaled. May affect the brain or nervous system, causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.

Acute (Skin or Eye Contact): Causes skin and eye irritation which can lead to dermatitis with repeated overexposures.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic: Reports have associated repeated prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Xylene (only found in 7715) in lab animals has been associated with liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Effects in humans have included liver and cardiac abnormalities.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove from exposure, restore breathing and notify a physician.

Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.

Skin Contact: Wash affected area with soap and water, remove contaminated clothing and wash before reuse.

Ingestion: DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI-REACTIVITY DATA

Stability: Stable Incompatible; with strong oxidizing agents

Hazardous Decomposition Products: By open flame- Carbon monoxide and
Carbon dioxide.

Hazardous Polymerization: Will Not Occur

SECTION VII-SPILL OR LEAK PROCEDURES

Release or Spill Procedures: Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools

Waste Disposal Method: Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. In confined areas: Use NIOSH approved supplied-air respirators or hoods (TC19C).

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Equipment: Use impervious gloves and/or clothing to prevent skin contact.

Ventilation: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

SECTION IX-SPECIAL PRECAUTIONS

Handling and Storage Precautions: Do not store above 120 F. Store large quantities in buildings designed and protected for storage of NFPA Class II Combustible liquids. Containers should be grounded when pouring.

Other Precautions: DO NOT take internally. Empty containers may be hazardous.

CALIFORNIA PROPOSITION 65 WARNING: These products are not known to contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



RUST-OLEUM CORPORATION

11 Hawthorn Parkway
Vernon Hills, IL 60061
(708) 367-7700
Telex: 20-6239

FAX Vernon Hills (708) 816-2300
FAX Pleasant Prairie (414) 947-6855

DATE: February 8, 1995

TO: CHWP

ATTN: Selina

FAX: (407) 259-4165

FROM: Rick Braunshausen

Number of pages including this transmittal page: 3

If all pages are not received, please call:

Rick Braunshausen

at: (708) 816-2264

15-80- 181255(21...)
 191532(2405)

MATERIAL SAFETY DATA SHEET

For Coatings, Resins and Related Materials

SECTION I — PRODUCT AND PREPARATION INFORMATION

MANUFACTURER: Rust-Oleum Corporation
 ADDRESS: 11 Hawthorn Parkway - Vernon Hills, IL 60061
 EMERGENCY AND INFORMATION TEL.: (312) 367-7700 (8:00 a.m. - 5:00 p.m. CDT)
 EMERGENCY TEL.: (312) 864-8200 (After Business Hours and on Weekends)
 PRODUCT CLASS: Aerosol
 MFG. CODE NO.: 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414 and 2416
 TRADE NAME: OVERALL Aerosols
 DATE OF PREPARATION: October 24, 1988
 PREPARER: Product Safety Coordinator

(708) 367-7700

1102

Leslie
 3/29/93
 Calc JOC
 90-62-970
 (708) 367-7700

SECTION II — HAZARDOUS INGREDIENTS

INGREDIENT / CAS No.	Wt. %	EXPOSURE LIMITS			mm Hg@20C
		ACGIH-TLV	OSHA-PEL	LEL	
Xylo/1330-20-7	10-15%*	100ppm	100ppm	1.2%	9.5
Toluene/108-88-3	20-30%*	100ppm	200ppm	1.2%	22.0
VM&P Naphtha/64742-89-8	7-15%	300ppm	500ppm	0.9%	2.0
Propellant/68476-86-8 (Propane, Butane, Isobutane)	35%*	800ppm**	NE	1.8%	85psia

*Nearest 5%

**TLV Established for Butane Only

NE - Not Established

SECTION III — PHYSICAL DATA

Boiling Range: Below 0°
 Evaporation Rate (Ether = 1): faster slower
 Vapor Density: heavier lighter than air
 % Volatile (by vol.): NA Wt./Gal.: NA
 pH: NA
 NA - Not Applicable

SECTION IV — FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
 DOT Classification: Consumer Commodity ORM-D
 Extinguishing Media: NFPA Class B Extinguishers (Carbon dioxide, dry chemical or foam)
 Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If foam is used, fog nozzles are preferred.
 Health and Safety Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

Flashpoint: Below 0°F (TCC)

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure:
 Acute (Inhalation): Harmful if inhaled. May affect the brain and nervous system causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.
 Acute (Skin or Eye Contact): Causes eye and skin irritation which can lead to dermatitis with repeated overexposures.
 Ingestion: Gastrointestinal irritation, nausea, vomiting and diarrhea.
 Chronic: Reports have shown repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Toluene and Xylo in lab animals has shown liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Affects in humans have shown liver and cardiac abnormalities.
 Emergency and First Aid Procedures:
 Inhalation: Remove from exposure, restore breathing and notify a physician.
 Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.
 Skin Contact: Wash affected area with soap and water, remove contaminated clothing and wash before reuse.
 Ingestion: DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI — REACTIVITY DATA

Stability: Unstable Stable
 Incompatible: With Strong Oxidizing Agents
 Hazardous Decomposition Products: By Open Flame — Carbon Monoxide and Carbon Dioxide
 Hazardous Polymerization: Will Not Occur

SECTION VII — SPILL OR LEAK PROCEDURES

Release or Spill Procedures: Remove all sources of ignition, ventilate area and remove with inert absorbent and nonsparking tools.
 Waste Disposal Method: Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. In Confined Areas: Use NIOSH approved supplied-air respirators or hoods (TC19C).
 Eye Protection: Use safety eyewear designed to protect against splash of liquids.
 Other Protective Equipment: Use impervious gloves and/or clothing to prevent skin contact.
 Ventilation: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below allowable limits.

SECTION IX — SPECIAL PRECAUTIONS AND REGULATORY ISSUES

Handling and Storage Precautions: Do not store above 120°F. DO NOT puncture or incinerate containers. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.
 Other Regulations: Pennsylvania/New Jersey Right-To-Know laws — Other ingredients in this product such as resin, pigments and additives are nonhazardous and considered trade secrets under these regulations.



PRODUCT NAME: Super P6ly Glaze/Manufactured by World Wide Chemicals 180-655-192864

SYNONYMS: A002F CHEMICAL FAMILY: Automotive Reconditioning Product

FORMULA: Proprietary MOLECULAR WEIGHT:

TRADE NAME AND SYNONYMS: A002F

I. PHYSICAL DATA

BOILING POINT, 760 mm. Hg	>212	FREEZING POINT	
SPECIFIC GRAVITY (H ₂ O = 1)	0.838	VAPOR PRESSURE AT 20°C.	4. mm Hg
VAPOR DENSITY (air = 1)	4	SOLUBILITY IN WATER, % by wt.	Insoluble
PER CENT VOLATILES BY VOLUME	>70	EVAPORATION RATE (Butyl Acetate = 1)	>1
APPEARANCE AND ODOR	Flesh colored opaque liquid solvent odor		

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (Units)
Mineral Spirits CAS#8052-41-3	10-30	100ppm
VM&P Naphtha CAS#64742-8908	30-60	300ppm
Kaolin (dust) CAS#66402-68-4	3-7	0.1mg/m3

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (test method)	77F. (TCC)	AUTOIGNITION TEMPERATURE	
FLAMMABLE LIMITS IN AIR, % by volume	LEL=0.9% UEL=5%		

EXTINGUISHING MEDIA: Regular foam, fog, carbon dioxide, or dry chemical extinguisher.

SPECIAL FIRE FIGHTING PROCEDURES: Clear fire area of unprotected personnel. Do not enter confined fire area without full bunker gear, (helmet with face shield, bunker coats, gloves, and rubber boots), including a positive pressure mode breathing apparatus. Cool fire exposed containers with water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use weldi or cutting torch on or near containers (even empty) because product or its residue can ignite explosively. In extreme fire conditions, this material present a floating fire hazard.

EMERGENCY PHONE NUMBER 407-425-5533

While we believe that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations.

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

SKIN; Immediately flush skin with lots of running water for 30 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse.
 EYES; Flush immediately with large quantities of running water for at least 15 minutes. Consult physician.
 EMERGENCY AND FIRST AID PROCEDURES
 INHALATION; If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm, quiet, and get medical attention.
 INGESTION; Do not induce vomiting. Call physician immediately. If conscious give a glass of water or milk. Do not give anything by mouth to and unconscious or convulsing person.

V. REACTIVITY DATA

STABILITY

UNSTABLE

STABLE

CONDITIONS TO AVOID

XX

none

INCOMPATIBILITY (materials to avoid)

Avoid contact with strong oxidizing agents such as chlorine permanganate, etc.

HAZARDOUS DECOMPOSITION PRODUCTS

Burning may produce oxides of carbon and traces of hydrocarbons

HAZARDOUS POLYMERIZATION

May Occur

Will not Occur

CONDITIONS TO AVOID

XX

none

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Eliminate all ignition sources. Absorb on suitable absorbant and shovel into appropriate containers.

WASTE DISPOSAL METHOD

Contaminated absorbant may be disposed of according to local, state and federal regulations for the products containing petroleum distillates and solvents.

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type)

n/a

VENTILATION

LOCAL EXHAUST

XX

SPECIAL

MECHANICAL (general)

OTHER

PROTECTIVE GLOVES

Nitrile rubber

Not Required

EYE PROTECTION goggles

OTHER PROTECTIVE EQUIPMENT

VIII. SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING

Keep away from heat, sparks and open flames. Do not store under freezing conditions or above 120 degrees F. Protect from physical damage and keep tightly closed. Do not store near acids or acidic materials and oxidizers.

OTHER HANDLING AND STORAGE CONDITIONS

Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings.

BILGE CLEANER

192898

Last revised: 01/10/97

Printed: 11/23/98

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical family Aqueous surfactant solution

General information:

MANUFACTURERITW Philadelphia Resins
130 Commerce Dr.
Montgomeryville, PA 18936**EMERGENCY INFORMATION**Emergency telephone number
(CHEMTREC) (800) 424-9300
Other calls: (215) 855-8450**2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Polyoxyethylene (9) Tridecyl Alcohol		24938918	10-20	n/e	n/e	n/e
Alkyl Phenol Ethoxylate		9016459	1-5	n/e	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) as established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance, physical form, odor: Blueish-green liquid with pine odor.

CAUTION! Eye and skin irritant. Avoid eye contact. May be harmful if swallowed. Wash with soap and water after use. In case of eye contact flush with water for 15 minutes and seek medical attention.

Potential health effects:**Primary routes of exposure:**

Skin contact Skin absorption Eye contact Inhalation Ingestion

Symptoms of acute overexposure:**Skin:**

Irritant

Eyes:

Irritant

Inhalation:

May cause difficulty in breathing if mist or spray is inhaled.

Ingestion:

May cause gastrointestinal irritation, nausea and diarrhea.

Effects of chronic overexposure:

None

Medical conditions which may be aggravated by exposure:

None

Carcinogenicity – OSHA regulated: No **ACGIH:** No **National Toxicology Program:** No
International Agency for Research on Cancer: No
Cancer-suspect constituent(s): none

Other effects:

4. FIRST AID MEASURES

First aid for eyes:

Flush with water for 15 minutes and seek medical attention.

First aid for skin:

Wash with soap and water. If symptoms develop, then persist, see a physician.

First aid for inhalation:

Move patient to fresh air. If breathing is difficult, seek medical attention.

First aid for ingestion:

Do not induce vomiting. Drink a glass of milk. Seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Water Carbon dioxide Dry chemical Foam Alcohol foam

Flash Point (°F): >360

Method: PMCC

Explosive limits in air – Lower: n/d

Upper: n/d

Special firefighting procedures:

This is an aqueous solution. If extreme conditions, cool containers with water spray. Fire fighters may require self contained breathing apparatus if large quantities are present.

Unusual fire and explosion hazards:

None

Hazardous products of combustion:

Carbon monoxide, carbon dioxide, irritating aldehydes, acids and ketones.

6. ACCIDENTAL RELEASE MEASURES

Spill control:

Wear appropriate personal protective equipment.

Containment:

Use absorbant material.

Cleanup:

Absorb material on an inert material.

Special procedures:

n/a

7. HANDLING AND STORAGE**Handling precautions:**

—CAUTION! EYE AND SKIN IRRITANT. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER USE. READ ALL PRECAUTIONARY INFORMATION.

Storage precautions:

Store in a cool location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering controls****Ventilation:**

General exhaust is sufficient for normal use. If spray or mists are generated, local ventilation is recommended.

Other engineering controls:**Personal protective equipment****Eye and face protection:**

Safety glasses with side shields.

Skin Protection:

Impervious rubber gloves.

Respiratory protection:

None required under normal use. If spray or mist is generated, wear a NIOSH approved respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	1.00	Boiling point (°F):	212	
Melting point (°F):	n/d	Vapor density (air = 1):	>1	
Vapor pressure (mmHg):	n/d	at 0 °F	Evaporation rate (butyl acetate = 1):	slower than ether
VOC (grams/liter):	0	Solubility in water:	soluble	
Percent volatile by volume:	>80	pH (5% solution or slurry in water):	n/d	
Percent solids by weight:	<20		0	

10. STABILITY AND REACTIVITY

This product is chemically stable.

Hazardous polymerization will not occur.

Conditions to avoid:

Extreme heat

Incompatible materials:

Strong oxidizers or reducing agents

Hazardous decomposition products:

Carbon monoxide, carbon dioxide, irritating aldehydes, acids and ketones.

Conditions of hazardous polymerization:

none

11. TOXICOLOGICAL INFORMATION**Acute oral effects:**

LD50 (rat): No data available.

No data available.

Acute dermal effects

LD50 (rabbit): No data available.

No data available.

Acute Inhalation effects:

LC50 (rat): No data available. In 0 hours
 No data available.

Eye Irritation:

No data available.

Subchronic effects

No data available.

Chronic effects

No data available.

Carcinogenicity, teratogenicity, and mutagenicity:

No data available.

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat, 4 hours)
Polyoxyethylene (9) Tridecyl Alcohol	n/d	n/d	n/d
Alkyl Phenol Ethoxylate	> 2.0 g/kg	> 2.0 g/kg	n/d

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Mobility and persistence:

No data available.

Environmental fate:

No data available.

13. DISPOSAL CONSIDERATIONS

Waste management recommendations:

Dispose of in accordance with all local, state and federal regulations

14. TRANSPORT INFORMATION

Proper shipping name: Non-Regulated material

Technical name:

Hazard class: NONE

UN number: N/A

Packing group: N/A

IMDG Page no.:

Emergency Response Guide no.:

Other:

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA:

All ingredients of this product are listed, or are exempt from listing, on the TSCA Inventory.

The following RCRA code(s) applies to this material if it becomes waste: none

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Polyoxyethylene (9) Tridecyl Alcohol	No	No	No	Not required
Alkyl Phenol Ethoxylate	No	No	No	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substances list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. Consult the appropriate regulations for specific requirements.

Classification of this material for SARA Section 312 hazardous materials inventory reporting:

Immediate health hazard

Canadian regulations

WHMIS hazard class(es): D2B

16. OTHER INFORMATION

Hazardous Materials Information System (HMIS) ratings:		
Health	Flammability	Reactivity
2	1	0

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

T 500-024

1402

0.38 155

COMPANY IDENTITY: ALBATROSS® USA INC.
 PRODUCT IDENTITY: ALBATROSS FORMULA L.R.

DATE 4/1/91
 PAGE 1

MATERIAL SAFETY DATA SHEET

Name: ALBATROSS USA INC. Address: 36-41 36th Street
 City: Long Island City, NY 11106 Phone: 718-392-6272
 FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident
 Call CHEMTREC- Day or Night: 800-424-9300

175-15
 192922
 1/6/02

SECTION 1. PRODUCT NAME & HAZARD SUMMARY

Albatross Formula L.R.
 Primary Use: Fabric spot remover

NFPA Hazard	Rating	SARA Title III, Section 313 applicable () not Applicable (X)
Health	3 High	
Fire	2 Moderate	
Reactivity	0 Minimal	

SECTION 2. HAZARDOUS COMPONENTS

Hazardous Components	%	OSHA (ppm)	ACGIH (ppm)	LD 50 (mg/kg)	
Cyclosol 63 C.A.S. #64742-94-5	46	PEL H.A.V	TWA 10	STEL 15	N/A
Butyl Cellosolve C.A.S. #111-76-2	14	50 SKN	25	H.A.V	2,500 oral-rat
Butyl Cellosolve acetate C.A.S. #112-07-02	4	H.A.V	H.A.V	50(c)	N/A
140-F Solvent C.A.S. #64742-88-7	27	500	100	H.A.V	N/A
Cyclohexanol C.A.S. #108-93-0	3	H.A.V	50	H.A.V	N/A

Ingredients not identified are non-hazardous.

SECTION 3. PHYSICAL & CHEMICAL DATA

Appearance: Clear to opaque gel	Evaporation rate: (H ₂ O = 1) > 1.0
Odor: Petroleum	Vapor density (air = 1) Not Available
Boiling Pt. : > 355°F (179°C)	Vapor pressure (mm): Not Available
Freezing Pt. : Not Available	Solubility in water: Appreciable
pH: not applicable	Specific Gravity (water = 1): 0.84
% Volatile: 95%	Co-efficient of water/oil distribution: Not Available
Odor Threshold (ppm): Not Available	

SECTION 4. FIRE & EXPLOSION HAZARDS

Flash Point: 140°F (60°C) FCC
 Flammable Limits In Air. % By Volume: Not Available
 Fire Fighting Media (1990 Emergency Response Guidebook, DOT P 5800.5): Dry chemical, Co2, water spray or foam
 Special Fire-Fighting Procedures: Wear self-contained breathing apparatus
 Unusual Fire and Explosion Hazards: None
 Hazardous Combustion Products: Oxides of carbon
 Conditions of Flammability: High heat and sources of ignition.
 Auto Ignition Temp. (°C) Not Available

COMPANY IDENTITY: ALBATROSS® USA INC.
 PRODUCT IDENTITY: ALBATROSS FORMULA L.R.

DATE 4/1/91
 PAGE 3

MATERIAL SAFETY DATA SHEET

SECTION 8: SPECIAL PROTECTION. PREVENTATIVE MEASURES CON'T

Type "C" supplied-air respirator with full face piece.

Self-contained breathing apparatus with a face piece operated in pressure-demand.

Personal protective equipment: Wear goggles when handling product.

SECTION 9: TRANSPORTATION DATA

DOT hazard classification 49 CFR 172.101: Combustible liquid

DOT label: None

WHHS: Class B:D2 IATA: 3:6.1 PKG. GROUP: III

Abbreviations:

OSHA = Occupational Safety & Health Administration:	C.A.S. = Chemical Abstract Service number
TWA = Time Weighted Average for 8 hours.	LD 50 = Lethal Dose for 50% test animals
Mq/M ³ = Milligrams per cubic meter of air	PRL = Permissible exposure level
NFPA = National Fire Protection Agency	STEL = Short term exposure level (15 min)
(C) = Ceiling, limit for exposure	ppm = part(s) per million
DOT = Department of transportation	SKN = Skin effects
SARA Title III, Sec. 313 = Superfund Amendments and Reauthorization Act	
WHHS = Workplace Hazardous Materials Information System - Canada	
ACGIH = American Conference of Government Industrial Hygienists	
mg/kg = Milligrams per kilogram (1,000 grams)	N.A. = not available
IATA = International Air Transport Assoc.	N.A.p. = not applicable

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. We sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether alone or in combination with other products.

COMPANY IDENTITY: ALBATROSS® USA INC.
PRODUCT IDENTITY: ALBATROSS FORMULA L.R.

DATE 4/1/91
PAGE 2

MATERIAL SAFETY DATA SHEET

SECTION 4. FIRE & EXPLOSION HAZARDS CONT

Explosion Data - Sensitivity To Mechanical Impact: Not Applicable
Sensitivity to static discharge: Not Available

SECTION 5. REACTIVITY HAZARD DATA

Stability (conditions to avoid): Stable
Incompatibility (materials to avoid): Strong oxidizing agents
Hazardous decomposition products: Extreme heat may produce oxides of carbon
Hazardous polymerization (conditions to avoid): will not occur

SECTION 6. HEALTH HAZARD DATA

Primary routes of entry: Inhalation _____ Skin X Ingestion X

Warning! MAY CAUSE IRRITATION, MAY BE HARMFUL IF SWALLOWED.

Signs & symptoms of exposure: (Acute & Chronic)

Eyes: May cause irritation, corneal damage & conjunctivitis.

Skin: May cause irritation & defatting of skin. May cause dermatitis. N-Butoxyethanol may be absorbed through skin to cause headache, drowsiness, tremors & blurred vision. May affect blood chemistry, kidneys, & liver. Prolonged contact may induce pathological lesions of the brain, lungs, liver, meninges, & heart.

Ingestion: May produce narcotic responses, central nervous system depression with giddiness, headache, dizziness, nausea & vomiting. May cause diarrhea & gastrointestinal irritation. May affect blood chemistry, kidneys & liver. May produce pathological lesions of the brain, lungs, liver, meninges & heart.

Irritancy of product: Not Available

Sensitization to product: Not Available

Carcinogenicity, reproductive toxicity, teratogenicity, mutagenicity: Not Available

Toxicologically Synergistic products: Not Available

Emergency and First Aid Procedures:

Eyes: Flush with water for at least 15 minutes. Remove contact lenses to ensure proper flushing. Get medical attention.

Skin: Remove contaminated clothing, wash affected area with soap & water. If any symptoms of contact appear, get medical help.

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration, get medical help.

Ingestion: Do not induce vomiting, get medical help. If vomiting should occur, keep head below hips to prevent aspiration into lungs.

In all cases treat symptomatically & supportively. Get medical attention immediately.

SECTION 7. SPILL AND LEAK PROCEDURES

Large spills: Contain & transfer to drums for use or disposal.

Small Spills: Absorb onto rags & clean rags in cleaning unit.

Waste Disposal Method: May be considered a hazardous waste, dispose of according to all applicable regulations.

Handling procedures & equipment: Avoid direct contact.

Storage requirements: Keep away from high heat and sources of ignition.

SECTION 8. SPECIAL PROTECTION, PREVENTATIVE MEASURES

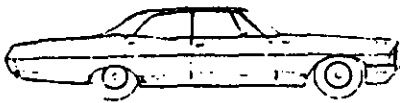
Engineering Controls/Ventilation: Local exhaust system sufficient to maintain exposure level below TWA values.

Respirator: The following respirators are recommended and ranked in order from minimum to maximum protection:

Chemical cartridge respirator with and organic vapor cartridge with a full face piece.

Gas mask with organic vapor canister with a full face piece.

180-655 194274 2715581



MADE-RITE



9 East 140th St.

AUTOBODY PRODUCTS, INC.

Cleveland, Ohio 44110

216-681-2535

m R - BW

Sept. 25, 1985

Ole Sarge Paint & Equipment
809 N. Cocoa Blvd.
Cocoa, FL 32922

Dear Sir,

Per your request our manufacturer submitted the following information:

***** MATERIAL SAFETY DATA SHEET *****

SECTION 1

Product Name: Lakcryl Wheel
Formula Number: 100
Date: 9-23-85

*Park Chemical
(313) 895-7215
Order No H780-5*

*Tom Harris Dave Neegle
0.28#/g VOC
2.4%*

SECTION 2 - Hazardous Ingredients

Ingredient	%	TLV
Silica 60676-86-0	40/50	20 MPPCF

SECTION 3 - Physical Data

Boiling Point: N.A.	Percent Volatile: >50
Vapor Pressure: N.A.	Evaporation Rate: N.A.
Water Solubility: Apprec.	pH: N.A.
Specific Gravity: 1.4 <i>11.68#/g</i>	Appearance: N.A.

SECTION 4 - Fire and Explosion Hazard Data

Flash Point: N.A.	Flammable Limits: N.A.
Extinguishing Media: CO2, Water, Foam, Dry Chemical	
Special Fire Fighting Procedures: N.A.	
Unusual Fire and Explosion Hazards: N.A.	

SECTION 5 - Health Hazard Data

Threshold Limit Value: See Section 2

Effects of Overexposure: Conjunctivitis, defatting dermatitis, headache, dizziness, fatigue, nausea, burning in mouth, throat & epigastrium

Emergency and First Aid Procedures: Irrigate eyes with much water. Wash contaminated skin with soap and water. Gastric lavage, if ingested, followed by saline catharsis.

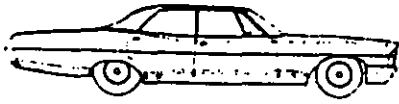
SECTION 6 - Reactivity Data

Stability: Yes

Incompatibility: None Known

Hazardous Decomposition Products: Silica, CHx, COx

Hazardous Polymerization: NO



MADE-RITE



9 East 140th St.

AUTOBODY PRODUCTS, INC.

Cleveland, Ohio 44110

216-681-2535

Page 2

SECTION 7 - Spill or Leak Procedures

Spill Information: Sweep up and discard as solid waste.

Waste Disposal: This material is classified as a non-hazardous waste under the resource, conservation and recovery act.

SECTION 8 - Special Protection Information

Respiratory Protection: Dust mask is recommended if used with wheel.

Ventilation: Mechanical ventilation recommended.

Protective Gloves: Recommended

Eye Protection: Recommended

Other Protective Equipment: None usually needed

SECTION 9 - Special Precautions

Handling and Storage Precautions: Store in closed container.

Other Precautions: N.A.

Sincerely,

Robert M. Krupa
General Manager

180-655 19A2E2
MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

SECTION VII - HEALTH HAZARD DATA

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
PRODUCT CODE/IDENTITY: DRX25 (080690D)
CUSTOMER PART#/NAME
PRODUCT TRADE NAME: POLISHING COMPOUND FINISH RUB
CHEMICAL FAMILY: OIL

SHIPPING INFORMATION
US-DOT-SHIP NAME/HAZ CLASS: PAINT RELATED MATERIAL, COMBUSTIBLE LIQUID
UN NUMBER: UN1265

IN-PLANT HAZARD RATINGS
HEALTH = 3
FLAMMABILITY = 2
REACTIVITY = 0

0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE
*CONTAINS INGREDIENT(S) WHICH MAY CAUSE LONG-TERM HEALTH EFFECTS

PRODUCT SAFETY INFO: 4328 ROSANNA DR. P.O. BOX 9
ALLISON PARK, PA 15101

PGH PAINTS INFO. OR MSDS: 1-800-441-8885
AUTO FINISH INFO. OR MSDS: 1-800-245-2580, IN OH. (218) 671-0050
EMERGENCY MEDICAL INFO: (304) 843-1300
EMERGENCY SPILL INFO: (304) 843-1300
DATE OF MSDS PREPARATION: 8/28/80

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

UN = UNKNOWN INFORMATION; N/A = NOT APPLICABLE; NOT ESTAB. = NOT ESTABLISHED; CERT LTR = CHEMICAL O.K. ON TSCA INVENTORY; CAS NO. NOT AVAILABLE

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS
(FORMULA VALUES, NOT SALES SPECIFICATIONS)

BOILING RANGE: 171 - 288 DEG. C SOLUBILITY IN WATER: 0.0%
POH PRESSURE: 0.4 mmHg WT/GAL (LBS): 10.81 (U.S.)
POH DENSITY: HEAVIER THAN AIR PH: UA
% VOL/VOLUME: 54.00 % SOLID BY WEIGHT: 66.67 33.33
EVAP RATE (BvOa = 100): 2 SPECIFIC GRAVITY: 1.30
ODOR/APPEARANCE: VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE SOLVENTS LISTED IN SECTION II.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: COMBUSTIBLE
FLASHPOINT: 195 DEG. F PMOC
FLAMMABLE LIMITS: LEL 0.8 UEL UA

EXTINGUISHING MEDIA:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IIIA COMBUSTIBLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME OR HOT SURFACES.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. FIRE-FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):

AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED. WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING: Carbon Monoxide.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

EFFECTS OF OVEREXPOSURE FROM:

INGESTION:

-HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:

-CAUSES SEVERE EYE IRRITATION.

SKIN CONTACT:

-CAUSES PRIMARY SKIN IRRITATION. MAY BE ABSORBED THROUGH THE SKIN

INHALATION:

-VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED. -SANDING AND GRINDING DUSTS MAY BE HARMFUL IF INHALED.

CHRONIC OVEREXPOSURE:

AVOID LONG TERM AND REPEATED CONTACT. -THIS PRODUCT CONTAINS A FORM OF CRYSTALLINE SILICA WHICH IS ASSOCIATED WITH AN INCREASED RISK OF CANCER IN LABORATORY ANIMALS. LONG-TERM EXPOSURES TO CRYSTALLINE SILICA MAY ALSO LEAD TO A DISABLING INFLUENZA KNOWN AS SILICOSES. THESE EFFECTS ARE ASSOCIATED WITH BREATHING EXCESSIVE AMOUNTS OF SILICA DUST. APPLICATION OF THIS PRODUCT IS NOT EXPECTED TO GENERATE EXCESSIVE AMOUNTS OF RESPIRABLE SILICA, SO THE POTENTIAL HAZARD FOR HUMANS IS LIMITED.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

-REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES MAY INDICATE EXCESSIVE EYE CONTACT. DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES

INGESTION:

IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:

IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 30 MINUTES.

SKIN CONTACT:

IN CASE OF SKIN CONTACT, REMOVE PROMPTLY BY WIPING, FOLLOWED BY WATERLESS HAND CLEANER AND SOAP AND WATER.

INHALATION:

IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER:

IF ANY OF THE FOLLOWING OCCUR DURING OR FOLLOWING USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY. HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. *INGESTION *EXCESSIVE EXPOSURE TO A CORROSIVE MATERIAL * PERSISTENT SKIN/EYE IRRITATION OR BREATHING DIFFICULTIES

SECTION IX - PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION:

WEAR CHEMICAL-TYPE SPLASH GOGGLES OR FULL FACE SHIELD.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF: NITRILE RUBBER, NEOPRENE RUBBER OR POLYVINYL ALCOHOL

RESPIRATORY PROTECTION:

WHERE VENTILATION IS INADEQUATE, USE A SUITABLE RESPIRATOR.

OTHER EQUIPMENT:

CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:

PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IIIA COMBUSTIBLE LIQUIDS.

OTHER PRECAUTIONS:

IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, READ THE MATERIAL SAFETY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES.

000R025/1111/800

SECTION II - INGREDIENTS AND REGULATORY INFORMATION

INGREDIENTS	CAS NUMBER	X WEIGHT	...SARA TITLE III & CERCLA CLASSIFICATIONS...						SARA 311/312				
			HS (102)	ENS (302)	TC+ (313)	RO (LBS)	TPQ (LBS)	AC	CH	FL	PR	RE	
SILICA, AMORPHOUS-DIATOMACEOUS EARTH	68855-54-9	55-60	N	N	N	N/A	N/A	N	N	N	N	N	N
PERCLOSULFURIZED KEROSINE	CERT. LTR.	30-35	N	N	N	N/A	N/A	Y	Y	Y	N	N	N
FILM FORMERS, RESINS, AND ADDITIVES	NOT ESTAB.	10-15	N	N	N	N/A	N/A	Y	N	N	N	N	N

*** THE FOLLOWING HAZARDOUS MATERIALS ARE COMPONENTS OF ONE OR MORE OF THE ABOVE INGREDIENTS ***

QUARTZ**	14808-60-7	10-15	N	N	N	N/A	N/A	N	Y	N	N	N	N
SILICA, CRYSTALLINE-CRISTOBALITE**	14464-46-1	35-40	N	N	N	N/A	N/A	N	Y	N	N	N	N

*** OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS ***

INGREDIENTSACGIH.....	OSHA.....	PPG-IPEL.....	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL	IPEL-TWA	IPEL-STEL
SILICA, AMORPHOUS-DIATOMACEOUS EARTH	10 mg/m3	NOT ESTAB	6 mg/m3	NOT ESTAB	6 mg/m3	NOT ESTAB
QUARTZ**	0.1 mg/m3	NOT ESTAB	0.1 mg/m3	NOT ESTAB	0.1 mg/m3	NOT ESTAB
SILICA, CRYSTALLINE-CRISTOBALITE**	0.05 mg/m3	NOT ESTAB	0.05 mg/m3	NOT ESTAB	0.05 mg/m3	NOT ESTAB

*** SARA 311/312 CATEGORIES FOR THIS PRODUCT ***

ACUTE=Y CHRONIC=Y FLAM=Y PRESS=N REAC=N

*** PRODUCT STATUS RELATIVE TO THE US EPA TOXIC SUBSTANCES CONTROL ACT ***

ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC SUBSTANCES CONTROL ACT.

*** FOOTNOTES FOR SECTION II ***

ARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: *NTP **IARC @OSHA #OTHER

? LD50 ORAL (RAT), (g/kg) DERM= LD50 DERMAL (RABBIT), (g/kg) INHL= LC50 INHALATION (RAT), (Mg/L)

INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.

MATERIAL SAFETY DATA SHEET

194308
25-30

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME DYKEM COMPANY		EMERGENCY TELEPHONE NO. (314)423-0100
ADDRESS 8501 Delport Drive, St. Louis, Missouri 63114		
CHEMICAL NAME AND SYNONYMS Does not apply		TRADE NAME AND SYNONYMS DYKEM STEEL BLDE DX-100
CHEMICAL FAMILY Specialty Lacquers	FORMULA Does not apply	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	CAS REGISTRY NO.	%	TLV (Units)
Dyes Dyes (Methyl Violet)	8004-87-3	1	---
Solvents Butyl Acetate	123-86-4	33	150
Solvents Denatured Alcohol	64-17-5	57	1000
Solvents Butyl Alcohol	71-36-3	4	100
Vehicle Wet Nitrocellulose	9004-67-63.0	5	---

"DYKEM" is the Registered Trade-mark of a line of Proprietary Products used by Industry since 1920. Never any harm to any of our employees who handle daily large volumes of raw materials and finished products. Containers are labeled with Caution Notice regarding flammability and use with adequate ventilation.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) 160°F	SPECIFIC GRAVITY (H ₂ O=1) .86
VAPOR PRESSURE (mm Hg.) 36mm@20°C	PERCENT VOLATILE BY VOLUME (B) 90
VAPOR DENSITY (AIR=1) Heavier than air	EVAPORATION RATE (1=1) Faster than Butyl Acetate
SOLUBILITY IN WATER Partially	
APPEARANCE AND ODOR Intense color, mild odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 61°F TOC	FLAMMABLE LIMITS 1.4 to 11.2	L ₁	L ₂
EXTINGUISHING MEDIA Carbon Dioxide, Regular Foam, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES Wear self-contained breathing apparatus in enclosed areas.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors are heavier than air and may travel along ground, or may be moved by ventilation and ignited by sparks, flame or other ignition sources.			

PAGE (1)

(Continued on reverse side)

Form OSHA-20

Rev. May 78

PROPER SHIPPING NAME: DOT: **PAINT, FLAMMABLE LIQUID** in Quart containers or larger;
CONSUMER COMMODITY ORM-D for Spray cans and smaller than quart containers

HAZARD CLASS: **FLAMMABLE LIQUID** I. D. NUMBER: **UN-1263**

HAZARD DESCRIPTION: **FLAMMABLE LIQUID** Label required for Quart containers or larger

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	830 (Estimated)
EFFECTS OF OVEREXPOSURE	Irritation of nose and throat. Reddness and irritation of eyes. Excessive breathing of vapors can cause nausea and respiratory irritation.
EMERGENCY AND FIRST AID PROCEDURES	If swallowed, contact local Poison Control Center or Physician immediately. Flush eye or skin contact with large amounts of water. If exposed to excessive vapors, remove to fresh air.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	None
INCOMPATIBILITY (Materials to avoid) Strong oxidizing materials			
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide or carbon dioxide			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Absorb in waste material that can be burned. Remove stain (color) with DYKEM REMOVER & THINNER 138.
WASTE DISPOSAL METHOD	No waste normally, incinerate or normal disposal for flammables, in accordance with local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None needed			
VENTILATION	LOCAL EXHAUST	Preferred (ordinary)	SPECIAL None
	MECHANICAL (General)	Acceptable	OTHER None
PROTECTIVE GLOVES		EYE PROTECTION	
None needed with normal use		None needed under normal conditions	
OTHER PROTECTIVE EQUIPMENT None needed			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Keep away from heat and flames. Use with adequate ventilation.
OTHER PRECAUTIONS	None



MATERIAL SAFETY DATA SHEET

Head
New MSDS

25-30-194415
40202 PD

MSDS NUMBER ▶

5,315-6

PAGE 1

17367 (4-85)

24 HOUR EMERGENCY ASSISTANCE			GENERAL MSDS ASSISTANCE			
SHELL: 713-473-9461 CHEMTREC: 800-424-9300			SHELL: 713-241-4819			
ACUTE HEALTH + 3	FIRE 3	REACTIVITY 0	HAZARD RATING LEAST - 0 SLIGHT - 1 MODERATE - 2 HIGH - 3 EXTREME - 4			

*For acute and chronic health effects refer to the discussion in Section III

SECTION I	PRODUCT NAME
PRODUCT ▶	NEOSOL PROPRIETARY SOLVENT
CHEMICAL NAME ▶	--
CHEMICAL FAMILY ▶	DENATURED ALCOHOL
SHELL CODE ▶	31384 31385

SECTION II-A		PRODUCT/INGREDIENT	
NO.	COMPOSITION	CAS NUMBER	PERCENT
2	NEOSOL PROPRIETARY SOLVENT	MIXTURE	100
1	ETHYL ALCOHOL (180 OR 200 PROOF)	64-17-5	90-85 93
2	METHYL ALCOHOL	67-56-1	3-4 4
3	ETHYL ACETATE	141-78-6	<2
4	METHYL ISOBUTYL KETONE	108-10-1	<2
5	HYDROCARBON SOLVENT	64742-88-B	<2

SECTION II-B			ACUTE TOXICITY DATA		
NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50		
P	NONE ESTABLISHED		NONE		
1	13.7 G/KG - RAT	>2.0 G/KG - RABBIT	6400 PPM - 4H - RAT		
2	5.6 G/KG - RAT	20 G/KG - RABBIT	1600 PPM - 8 HR - RAT		
3	11.0 G/KG - RAT	NONE	APX. 3000 PPM - 4H - RAT		
4	2.1 G/KG - RAT	>20 G/KG - RABBIT	73,680 PPM - 4 HR - RAT		
5	>25 G/KG - RAT	>5 G/KG - RABBIT			

SECTION III HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT
BASED ON PRESENCE OF COMPONENTS 1, 2 AND 4, PRODUCT IS PRESUMED TO BE MILDLY TO SEVERELY IRRITATING TO THE EYES.

SKIN CONTACT
BASED ON PRESENCE OF COMPONENTS 2 AND 4, PRODUCT IS PRESUMED TO BE SLIGHTLY TO MODERATELY IRRITATING TO THE SKIN AND MAY BE SLIGHTLY TOXIC IF ABSORBED THROUGH THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN WHICH MAY RESULT IN SKIN IRRITATION AND DERMATITIS.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

PERSONS ON DISULFIRAM (ANTABUSE(R)) THERAPY SHOULD BE AWARE THAT THE ETHYL ALCOHOL IN THIS PRODUCT IS HAZARDOUS TO THEM JUST AS IS ALCOHOL FROM ANY SOURCE. DISULFIRAM REACTIONS (VOMITING, HEADACHE AND EVEN COLLAPSE) MAY FOLLOW INGESTION OF SMALL AMOUNTS OF ALCOHOL AND HAVE ALSO BEEN DESCRIBED FROM SKIN CONTACT.

STUDIES IN LABORATORY ANIMALS INVOLVING PROLONGED AND REPEATED EXPOSURES TO ETHYL ALCOHOL HAVE RESULTED IN SUCH EFFECTS AS LIVER DAMAGE, EMBRYOTOXICITY, FETOTOXICITY, AND TERATOGENICITY. A TRANSIENT MUTAGENIC EFFECT HAS BEEN REPORTED IN RATS.

SOME ANIMAL STUDIES HAVE REPORTED DEGENERATION OF HEART MUSCLE AFTER REPEATED EXPOSURE TO HIGH LEVELS OF METHYL ALCOHOL.

A 1985 PUBLICATION REPORTS THAT METHYL ALCOHOL WAS TERATOGENIC IN RATS BY INHALATION AT 20,000 PPM, 7 HOURS/DAY DURING GESTATION. ONLY SLIGHT MATERNAL TOXICITY WAS OBSERVED INDICATING THAT METHYL ALCOHOL WAS PROBABLY A PRIMARY TERATOGEN IN THE RAT UNDER THE CONDITIONS OF EXPOSURE. AT 5,000 PPM EXPOSURE, METHYL ALCOHOL WAS NOT TERATOGENIC. (FUND APPL TOX, 5:727, 1985)

COMPONENT B OF THIS PRODUCT MAY CONTAIN CERTAIN ISOPARAFFINS THAT HAVE BEEN DEMONSTRATED TO CAUSE KIDNEY EFFECTS IN MALE RATS AND CARDIAC SENSITIZATION IN OTHER SPECIES. THE RELEVANCE OF THE KIDNEY EFFECTS TO MAN IS UNKNOWN. THERE IS NO EVIDENCE THAT EXPOSURE TO INDUSTRIALLY ACCEPTABLE LEVELS OF HYDROCARBONS (E.G., THE TLV) HAVE PRODUCED CARDIAC EFFECTS IN HUMANS. SUCH SENSITIZATION, HOWEVER, MAY CAUSE FATAL CHANGES IN HEART RHYTHM. THIS LATTER EFFECT HAS BEEN SHOWN TO BE ENHANCED BY HYPOXIA OR THE INJECTION OF ADRENALIN-LIKE AGENTS.

SECTION VII

PHYSICAL DATA

BOILING POINT: 163-174 (DEG F)	SPECIFIC GRAVITY: .7958 TO .8152 (H2O=1) 6.72 g/L	VAPOR PRESSURE: 42 @ 68 DEG. F (MM HG) (ESTIMATED)
MELTING POINT: NOT AVAILABLE (DEG F)	SOLUBILITY: COMPLETE (IN WATER)	VAPOR DENSITY: 1.3 (AIR=1) (ESTIMATED)
EVAPORATION RATE (N-BUTYL ACETATE = 1): 1.4 (ESTIMATED)		

APPEARANCE AND ODOR:
CLEAR, COLORLESS LIQUID. MILD ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD:
55-60 DEG. F (TCC)

FLAMMABLE LIMITS % VOLUME IN AIR
LOWER: 3.3 UPPER: 19.0

EXTINGUISHING MEDIA
USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS
WARNING. FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS
CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE. CONTAINER AREAS EXPOSED TO DIRECT FLAME CONTACT SHOULD BE COOLED WITH LARGE QUANTITIES OF WATER AS NEEDED TO PREVENT WEAKENING OF CONTAINER STRUCTURE.

PRODUCT NAME: NEOSOL PROPRIETARY SOLVENT

MSDS 5,315-8
PAGE 6

SECTION XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:
FLAMMABLE LIQUID

D.O.T. PROPER SHIPPING NAME:
DENATURED ALCOHOL

OTHER REQUIREMENTS:
DOT I.D. NO. = NA 1986, GUIDE 28.

SECTION XIV

OTHER REGULATORY CONTROLS

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL SUBSTANCES.
IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE SDS SHOULD ALWAYS BE COPIED AND SENT WITH THE
MSDS.

SECTION XV

SPECIAL NOTES

THE OCCUPATIONAL EXPOSURE LIMITS (SECTION IV) AND/OR THE RESPIRATORY PROTECTION PRECAUTIONS
(SECTION X) HAVE BEEN REVISED.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT.
HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE
RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE
USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: JULY 17, 1989

J. C. WILLETT

BE SAFE

READ OUR PRODUCT
SAFETY INFORMATION ... AND PASS IT ON
(PRODUCT LIABILITY LAW
REQUIRES IT)

SHELL OIL COMPANY
PRODUCT SAFETY AND COMPLIANCE
P. O. BOX 4320
HOUSTON, TX 77210

PRODUCT NAME: NEDSOL PROPRIETARY SOLVENT

EDS 6,316
PAGE 2

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

DATE PREPARED: FEBRUARY 08, 1988

SHELL OIL COMPANY
ENVIRONMENTAL AFFAIRS
P. O. BOX 4320
HOUSTON, TX 77210

FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL
(713) 241-2262

FOR EMERGENCY ASSISTANCE PLEASE CALL
SHELL: (713) 473-8481
CHEMTREC: (800) 424-9300

SC/512

MAR-02-1995 14:55

0,0,1 A
(0.03)
12/18
20 9106

P.01/02

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
used for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

STAR BRITE SILICONE SEALANT

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Product #82101, 82102, 82103, 82121, 82122, 82123, 82158, 82159, 82164

Manufacturer's Name

STAR BRITE

Emergency Telephone Number

(800) 424-9300

Address (Number, Street, City, State, and ZIP Code)

4041 S.W. 47 Avenue

Telephone Number for Information

(305) 587-6280

Ft. Lauderdale, FL 33314

Date Prepared

September 30, 1994

Signature of Preparer (optional)

Jeff Tieger

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methyltriacetoxysilane CAS No. 004253343				2
Ethyltriacetoxysilane CAS No. 017689779				2
Silica CAS No. 007631869			TLV 10 MG/M3	9
NON HAZARDOUS INGREDIENT: Polydimethylsiloxane				85

Section III - Physical/Chemical Characteristics

Boiling Point:	N/A	Specific Gravity (H ₂ O = 1)	1.04
Vapor Pressure (mm Hg.)	<5 mm	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (ether = 1)	<1
Solubility in Water	<0.1%	V.O.C.	<5%
Appearance and Odor	Acetic acid-like paste		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>212°F/100°C Open cup	Not determined		

Extinguishing Media

Water, water fog, CO₂, dry chemical, foam

Special Fire Fighting Procedures

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving

chemicals.

Unusual Fire and Explosion Hazards

None known.

Stability	Unstable		Conditions to Avoid Air or moisture causes polymerization and acetic acid vapors are formed.
	Stable	XX	

Incompatibility (Materials to Avoid)
Oxidizing material can cause a reaction.

Hazardous Decomposition or Byproducts
Silicon dioxide, carbon dioxide, and traces of incompletely burned carbon products.

Hazardous Polymerization	May Occur		Conditions to Avoid None.
	Will Not Occur	XX	

Section VI -- Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic)
None known

Mutagenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure
Ingestion: May cause stomach discomfort. SKIN CONTACT: Uncured product may irritate lips, nose, tongue, and skin. EYE CONTACT: Uncured product contact irritates eyes.

Medical Conditions
Generally Aggravated by Exposure NONE KNOWN

Emergency and First Aid Procedures
EYES: Flush with water for 15 minutes. Obtain medical attention. SKIN: Wipe off and flush with water.
INHALATION: Remove to fresh air. Obtain medical attention. ORAL: Obtain medical attention.

Section VII -- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Remove product and use absorbent material to take care of any oil-like residues.

Waste Disposal Method
Review all local, state, and federal regulations concerning health and pollution to determine approved disposal method.

Precautions to Be Taken in Handling and Storing
Store below 90°F. Use reasonable care and caution.

Other Precautions
None known.

Section VIII -- Control Measures

Respiratory Protection (Specify Type)
Acid gas/organic vapor type.

Ventilation	Local Exhaust None	Special N/A
	Mechanical (General) None	Other N/A

Protective Gloves
Use chemical workers gloves.

Eye Protection
Use proper eye protection, safety glasses as minimum

Other Protective Clothing or Equipment
None

Work Hygienic Practices
Cross-contaminated material should be removed from the skin as soon as practical, especially before eating or smoking.

10-30-209783

MATERIAL SAFETY DATA SHEET

20750

CAMIE CAMPBELL
9225 WATSON INDUSTRIAL PARK
ST. LOUIS, MO 63126

INFORMATION TELEPHONE NO.: 314-968-3222
EMERGENCY TELEPHONE NO.: 800-424-9300

PREPARATION DATE: 08/26/92

REPLACES DATE: 02/21/92

PREPARED BY: [Signature]

SECTION I - PRODUCT IDENTIFICATION

RELIADEX STUCKUP ADHESIVE
MANUFACTURED EXCLUSIVELY FOR AND DISTRIBUTED BY RELIADEX, INC.
FPARELIATKAD

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT % OR < (TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	SKIN DANGER	VAPOR PRESSURE	KNOWN OR SUSPECTED CANCINOGEN	OTHER INFO
DIMETHYLHYDRO/PROPANE	115-10-6 & 74-98-6	335	1000 ppm	NO INFO	NO INFO	NO	4913.0
ACETONE	67-64-1	200	750 ppm	1000 ppm	NO INFO	NO	181.7
ANNE	110-31-3	400	50 ppm	NO INFO	510ppm NIOSH	NO	135.0

THIS PRODUCT CONTAINS ONE OR MORE MATERIALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 113 OF THE EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND OF 48 CFR 372.

N.A. - NOT APPLICABLE

SECTION III - PHYSICAL DATA

BOILING RANGE : -43- 159 F
 ODOR : MINT WHEN WET
 APPEARANCE : WHITE LIQUID
 VOLATILE BY WEIGHT : 82.3%
 VOLATILE BY VOLUME : 87.7%
 VOC CONTENT: 82.3 % BY WEIGHT, 564 GRAMS/LITER TOTAL PRODUCT,
 564 GRAMS/LITER LESS WATER AND EXEMPT, 0.68 LBS/CAN

VAPOR DENSITY : IS HEAVIER THAN AIR
 EVAPORATION RATE: IS FASTER THAN BUTYL ACETATE
 SOLUBILITY : NEOLIGIBLE
 PRODUCT DENSITY : 5.7 LBS/GAL (US)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:

FLASH POINT: -156 F LEL: 1.0 %
(PENSKY-MARTENS CLOSED CUP) UEL: 27.0 %

OSHA - FLAMMABLE LIQUID - CLASS IA
DOT - CONSUMER COMMODITY ORM-D

EXTINGUISHING MEDIA: DRY CHEMICAL CARBON DIOXIDE FOAM

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: MINIMIZE EXPOSURE TO MIST AND TO VAPORS. USE NIOSH/MSHA APPROVED RESPIRATORS IF VENTILATION IS INADEQUATE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL VENTILATION (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER, NEOPRENE

EYE PROTECTION: OSHA APPROVED CHEMICAL SPLASH GOGGLES ARE ADVISED, HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

HYGIENIC PRACTICES: WASH HANDS BEFORE EATING OR SMOKING. SMOKE IN DESIGNATED AREAS ONLY. REMOVE AND LAUNDER CLOTHING.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: IT IS RECOMMENDED THAT THIS MATERIAL BE STORED IN A COOL, DRY, VENTILATED AREA. KEEP AWAY FROM HEAT SOURCES, OPEN FLAME, SPARKS. DO NOT STORE ABOVE 120°F. DO NOT STORE IN DIRECT SUNLIGHT. DO NOT TRANSFER TO UNMARKED CONTAINERS. KEEP FROM REACH OF CHILDREN.

OTHER PRECAUTIONS: DO NOT FLAME CUT, BRAZE, OR USE WELDING TORCH. INTENTIONAL MISUSE MAY BE HARMFUL.

SECTION X - HMIS RATINGS

HEALTH: 2

FLAMMABILITY: 4

REACTIVITY: 1

PERSONAL PROTECTION: X

DISCLOSURE: THE INFORMATION ON THIS DATA SHEET REPRESENTS OUR CURRENT DATA AND IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED WHETHER ORIGINATING WITH THE COMPANY OR NOT. ANY USE OF THIS PRODUCT WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET OR WHICH INVOLVES THE USE OF THIS PRODUCT IN COMBINATION WITH ANY OTHER PRODUCT OR ANY OTHER PROCESS IS THE RESPONSIBILITY OF THE USER.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. ALL 5 GAL PAILS AND LARGER SHOULD BE GROUNDED AND/OR BONDED DURING MATERIAL TRANSFERRAL.

SPECIAL FIREFIGHTING PROCEDURES: NONE KNOWN.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE: SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY CAUSE MODERATE IRRITATION. EYE CONTACT: MAY CAUSE IRRITATION, REDNESS, TEARING, BLURRED VISION. OVEREXPOSURE MAY CAUSE DAMAGE TO THE NERVOUS SYSTEM. OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS: KIDNEY DAMAGE, EYE DAMAGE,

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: CENTRAL NERVOUS SYSTEM DISORDERS.

PRIMARY ROUTE(S) OF ENTRY: INHALATION DERMAL

EMERGENCY AND FIRST AID PROCEDURES: SKIN CONTACT: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE TWO GLASSES OF WATER IF CONSCIOUS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION. INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. IF COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

SECTION VI - REACTIVITY DATA

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE. VARIOUS HYDROCARBONS.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: ACIDS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SOAK UP ON ABSORBENT MATERIAL AND PLACE INTO CONTAINER FOR DISPOSAL. WASH WALKING SURFACES WITH DETERGENT AND WATER TO REDUCE SLIPPING HAZARD.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 (612) 733-1110

MAR 21 1988

04-00
 4875

CLEANER
 (RDG)
 should be
 part #

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS
 TRADE NAME:
 3M Brand Natural Cleaner (1PB)
 3M I.D. NUMBER: 62-4615-1730-2 62-4615-4930-5

180-15-
 225A17

ISSUED: MAY 6, 1988
 SUPERSEDES: FEBRUARY 24, 1988
 DOCUMENT: 11-0029-6

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
natural terpene, nonionic surfactants mix	N/A	70.0 - 80.0	NONE	NONE	NONE	NONE
propane (as propellant)	74-98-6	10.0 - 20.0	1000	ppm	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:
 - OSHA: Occupational Safety and Health Administration
 - NONE: None Established

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
 VAPOR PRESSURE:..... Compressed gas
 VAPOR DENSITY:..... N/A
 EVAPORATION RATE:..... N/A
 SOLUBILITY IN WATER:..... Very slight
 SP. GRAVITY:..... N/A
 PERCENT VOLATILE:..... 100% By Weight
 VOLATILE ORGANICS:..... 780.00 gm/l
 pH:..... N/A
 VISCOSITY:..... N/A
 APPEARANCE AND ODOR: Clear/pale yellow, liquid in aerosol, sweet odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50F (Propane/Tag Closed Cup)
 FLAMMABLE LIMITS - LEL:..... N/A
 FLAMMABLE LIMITS - UEL:..... Flam.Gas
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO2, foam, dry chemical.
 SPECIAL FIRE FIGHTING PROCEDURES:
 Fire fighters should be equipped with self-containing breathing apparatus when fighting fires involving this material.
 UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Extremely Flammable. Treat as a pressurized product. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.

4. REACTIVITY DATA

STABILITY: Stable
 INCOMPATIBILITY - MATERIALS TO AVOID:
 N/A
 CONDITIONS TO AVOID: Do not puncture or incinerate. Do not store at temperatures below 40F or above 120F.
 HAZARDOUS POLYMERIZATION: Will Not Occur
 HAZARDOUS DECOMPOSITION PRODUCTS:
 Unknown.

Abbreviations: N/D - Not Determined N/A - Not Applicable

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET

3M

MSDS: 3M Brand Natural Cleaner (1PB)
MAY 6, 1988

PAGE: 2 of 3

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

If cans rupture: Extinguish all ignition sources. Ventilate area. Observe precautions from other sections. Contain spill. Cover with absorbent materials as needed. Collect spilled material. Place in a U.S. Dept. of Transportation-approved metal container, and seal. Avoid rinsing into waterways and sewers.

RECOMMENDED DISPOSAL:

Incinerate absorbed product and partially full cans after mixing with flammable material in a permitted hazardous waste facility. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA HAZARDOUS WASTE NUMBER: D001 (IGNITABLE).

ENVIRONMENTAL DATA:

Major component: 48 hr EC50, Daphnia Magna (waterflea): 5.3 mg/l (nominal) 15 min EC50, Mircotex(R) Bacterial assay: 4.5 mg/l (nominal) 3 hr EC50, Activated sludge respiration inhibition test (OECD 209): 620 - 725 mg/l (nominal). Volatile Organic Compound (VOC): Maximum VOC = 780 grams/liter. Maximum VOC minus Water minus Exempt Solvents = 780 grams/liter.

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

Move affected person to fresh air at once. If breathing difficulties persist, get medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of milk or water. Call a physician or poison control center.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep product and its vapors away from heat, sparks, flame and all other sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Avoid prolonged or repeated breathing of vapor or mist (spray particulate). Avoid contact with eye and skin. Wear eye (e.g.

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



MSDS: 3M Brand Natural Cleaner (1PB)
MAY 6, 1988

PAGE: 3 of 3

7. PRECAUTIONARY INFORMATION (continued)

chemical safety goggles) and skin (e.g. impervious gloves) to avoid contact when handling the product. Do not take internally. Use only as directed. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents can be harmful or fatal. Do not puncture or incinerate can. Do not store at temperatures above 120F. For high volume usage, local exhaust ventilation should be used to maintain exposure levels below the established T.L.V.'s. KEEP OUT OF THE REACH OF CHILDREN.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS	
	VALUE	UNIT
propane (as propellant)	1800	mg/m ³

SOURCE OF EXPOSURE LIMIT DATA:

- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Liquid and vapor may cause eye irritation.

SKIN CONTACT: May defat the skin causing dryness, cracking and irritation, possibly leading to dermatitis.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Symptoms of overexposure may include headache and dizziness.

INGESTION: Accidental swallowing is not likely from an aerosol container. Swallowing of small amounts could cause irritation of the digestive system.

SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE FEBRUARY 24, 1988 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

MATERIAL SAFETY DATA SHEET
(MSDS)

831

180-15-230557

ITEM NUMBER: 830 - SPOT LIFTER 16 OZ.

IDENTITY (As Used On Label and List): SPOT LIFTER 16 OZ.

~~Emergency Medical Telephone Number 8002285635X009 (24 HRS)~~

PRODUCT HAZARD RATINGS: Health = 2, Fire = 4, Reactivity = 0, Protective Equipment = *B (HMIG)
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

Section I

SPRAYWAY, INC.
484 VISTA
ADDISON

TELEPHONE NUMBER FOR INFORMATION:
7086283000

IL 60101

DATE PREPARED: 01/11/95
NAME OF PREPARER: Philip T. Miller

Section II - Hazardous Ingredients/Identity Information

Chemical Names	Exposure Limits (LD50-Oral Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
Perchloroethylene (CAS#127-18-4)	3.98/4.68g/kg	YES	50ppm	25ppm	20-25 22.5
Trichloroethylene (CAS#79-01-6)	4.9-7.0g/kg	YES	50ppm	50ppm	40-45 42.5
Hydrated Amorphous Silica (CAS#7631-86-9)	>5g/kg	-	6mg/CuM	6mg/CuM	<5.0
Liquified Petroleum Gas (CAS#68476-85-7)	NA	-	1000ppm	1000ppm	30-35

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard. Components Listed As A Suspected Carcinogen: The International Agency for Research on Cancer (IARC) has classified Perchloroethylene in Group 2B, a substance considered "Possibly Carcinogenic to Humans".

Section III - Physical Characteristics

Boiling Point: NA Vapor Pressure (psig): 120+/-5@130F Specific Gravity (H2O=1): >1.0
Solubility/Water: Negligible Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
Appearance and Odor: White Powder Dispersion/Etheral Odor 96.5% VOC

Section IV - Fire and Explosion Hazard Data

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.
Flammable Limits - % Volume In Air (Trichloroethylene): LEL: 7.8% UEL: 10.5%*
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.
Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.
*Vapors concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame or high intensity source of heat.

Section V - Reactivity Data

Stability: Stable Hazardous Polymerization: NA
Compatibility (Materials to Avoid): Oxidizing agents Hazardous Decomposition Products:
Hydrogen Chloride, Chlorine, Phosgene, Carbon Dioxide, Carbon Monoxide and additional toxic chemicals may be formed in small amounts.
Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

SPOT LIFTER 16 OZ.

Page 2

01/11/95

Section VI - Health Hazard Data

Route(s) of Entry -

Inhalation: X

Eyes: X

Skin: X

Ingestion: X

Signs and Symptoms of Exposure: High concentrations or prolonged exposure to lower concentrations can lead to central nervous system depression, producing headaches, nausea, dizziness. Short term eye contact may result in irritation. Prolonged or repeated skin contact may cause defatting and drying of skin. Liquid ingestion may result in vomiting. Aspiration of liquid into lungs must be avoided.

Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.

Emergency and First Aid Procedures: **Eye Contact:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention if irritation persists. **Skin Contact:** Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. **Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. **Ingestion:** Get medical attention.

Section VII - Precautions for Safe Handling and Use

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B).

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Employee Protection

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.

Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.

Protective Gloves: Chemical resistant gloves*.

Eye Protection: Chemical safety glasses are recommended*.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygiene Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX - Other Regulatory Controls

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X - Transportation (D.O.T. Classification)

Shipping Name: Consumer Commodity

Hazard Class: ORM-D

NG-- Negligible

NA-- Not Applicable

NE-- Not Established

UN-- Unavailable

ND-- Not Determined

While the information set forth herein is believed to be accurate as of the date hereof, the Company makes no warranty guarantee, express or implied, and disclaims all liability arising out of the use of this information.

FROM: AIM SUPPLY

MATERIAL SAFETY DATA SHEET

TO: ROSALIE

Product Name: Seals Pipes (TM) Pipe Sealant with Teflon(R)
Prod., Part or Item No: 81800

FOR PART #

AIM 81800

SEALANT, PIPE (PVC) w/Teflon
50 ML.

OST = 10.20

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Type: Anaerobic

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Bisphenol A fumarate resin	39382-25-7	30-35
Polyglycol dimethacrylate	25852-47-5	20-25
Polyglycol laurate	9004-81-3	20-25
Poly(ethylene)	9002-88-4	5-10
Poly(tetrafluoroethylene)	9002-84-0	5-10
TITANIUM DIOXIDE	13463-67-7	3-5
CUMENE HYDROPEROXIDE*	80-15-9	1-3
N,N-Dialkyltoluidines	613-48-9	1-3
SACCHARIN	81-07-2	1-3
SILICA, AMORPHOUS TREATED	112945-52-5	1-3
Epoxy resin	25068-38-6	0.1-1

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
TITANIUM DIOXIDE	10 mg/m3 dust	15 mg/m3 dust	None
SILICA, AMORPHOUS TREATED	10 mg/m3 TWA	5 mg/m3 resp 6 mg/m3 TWA	3 mg/m3 TWA resp. dust

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)

3. HAZARDS IDENTIFICATION

Toxicity: Moderate eye irritant.
Oral LD50 greater than 10,000 mg/kg.

MATERIAL SAFETY DATA SHEET

Product Name: Seals Pipes(TM) Pipe Sealant with Teflon(R)
 Part or Item No: 81800

Estimated dermal LD50 greater than 2000 mg/kg.
 Entry Routes of Entry: None known
 Signs and symptoms of exposure: May cause dermatitis on prolonged contact in sensitive individuals
 Existing Conditions aggravated by Exposure: None known

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
phenol A fumarate resin	ALG IRR	NO	NO	NO
glycol dimethacrylate	ALG IRR	NO	NO	NO
glycol laurate	ALG	NO	NO	NO
(ethylene)	No Data	NO	N/A	NO
(tetrafluoroethylene)	No Data	NO	N/A	NO
TANIUM DIOXIDE	IRR NUI	NO	NO	NO
PEROXIDE	ALG CNS COR IRR MUT	NO	NO	NO
N-Dialkyltoluidines	No Data	NO	NO	NO
CHARIN	No Data	YES	2B	NO
AMORPHOUS TREATED	NUI	NO	N/A	NO
oxy resin	ALG IRR	NO	NO	NO

Abbreviations

Not Applicable
 Allergen
 Corrosive
 Mutagen
 2B Possibly carcinogenic to humans
 CNS Central nervous system
 IRR Irritant
 NUI Nuisance dust

FIRST AID MEASURES

Exposure: Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Does not apply
 Skin Contact: Wash with water.
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

FIRE FIGHTING MEASURES

MATERIAL SAFETY DATA SHEET

Product Name: Seals Pipes(TM) Pipe Sealant with Teflon(R)
Part or Item No: 81800

Flash Point: More than 200°F Method: Tag Closed Cup

Extinguishing Agents: Carbon dioxide, foam, dry chemical

Hazardous Products formed: Irritating organic vapors

Fire or Thermal Decomp: Irritating organic vapors
Usual Fire or Explosion Hazards: None

Explosive Limits:
Lower volume in air) Lower Not available
Upper volume in air) Upper Not available

ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Soak up in an inert absorbent. Store in a partly filled, closed container until disposal.

HANDLING AND STORAGE

Storage: Store below 100°F
Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged skin contact. Keep away from eyes.

EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory: Safety glasses or goggles.
Hand: Rubber or plastic gloves.
Skin: Does not apply
See Section 2 for Exposure Limits.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White paste
Odor: Mild
Boiling Point: More than 300°F
Solubility in Water: Does not apply
Specific Gravity: Slight
Relative Density (Water, 15°C): 1.14 at 80°F
Vapor Pressure (mm Hg, 25°C): 8.6%
Vapor Density (Air = 1): Less than 5mm at 80°F
Density: Not available

Q.S. 1/4

FEB-06-1997 08:18

FROM AIM SUPPLY CO.

TO

9148745320860579 P.04

Emergency phone: (860) 571-5100

Fax: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Page 4 of 5

Product Name: Seals Pipes (TM) Pipe Sealant with Teflon (R)
 Prod., Part or Item No: 81800

1. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: None
 Hazardous Decomposition
 Products (non-thermal): None

2. TOXICOLOGICAL INFORMATION

See Section 3.

3. ECOLOGICAL INFORMATION

No data available

4. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.

5. TRANSPORT INFORMATION

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or
 Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None
 Proper Shipping Name: Unrestricted
 Class or Division: Unrestricted
 UN or ID Number: None

6. REGULATORY INFORMATION

Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer. Epichlorohydrin

This product contains Saccharin. No Prop65 hazard warning is necessary for this product.

FEB-06-1997 08:19

FROM AIM SUPPLY CO.

TO

9140745320060579 P.05

Rocky Hill, CT 06067-3910

13:46:02

Emergency Phone: (860) 571-5100

Fax: (860) 571-5465

MATERIAL SAFETY DATA SHEET

Page 5 of 5

Product Name: Seals Pipes(TM) Pipe Sealant with Teflon(R)
Prod., Part or Item No: 81800

reasonably anticipated.

6. OTHER INFORMATION

Estimated NFPA(R) Code:

- Health Hazard: 1
- Fire Hazard: 1
- Reactivity Hazard: 1
- Specific Hazard: Does not apply

Estimated HMIS(R) Code:

- Health Hazard: 1
- Flammability Hazard: 1
- Reactivity Hazards: 1
- Personal Protection: B See Section 8.

FPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto
 Title: Research Chemist, Environmental Health & Safety
 Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
 (24hr.) Phone: (860) 571-5100
 Revision Date: January 22, 1996 Revision: 0030

Material Safety Data Sheet SIKAFLEX 241 (ALL COLORS)	Page: 1 07/06/93
---	-----------------------------------

SIKA CORPORATION
 101 POLITO AVENUE
 LYNDHURST, NJ 07071

257907

Telephone: (201)933-8800

Company Contact: STEVEN ROSENBERG
Emergency Contact: CHEMTREC 10.5
Emergency Phone Number: (800)424-9300

Post-It Fax Note 7871	Date 9/18/96 # of pages 7
To Randy Shapiro	From Holly
Co./Dept. Sea-Ray	Co. Sika
Phone #	Phone # (910)353-215
Fax # (407)453-5609	Fax #

SECTION #1 - IDENTIFICATION

Product Name: SIKAFLEX 241 (ALL COLORS)

CAS Number: Not Established
Product Code: NO. 241
Chemical Family: POLYURETHANE

Synonyms: NO. 241

REVISION #2

HMIS Hazard Rating - Health: 2 Moderate
- Fire: 1 Slight
- Reactivity: 0 Negligible
- PPE: C

Special Hazards: SENSITIZER, IRRITANT

SECTION #2 - HAZARDOUS CHEMICAL COMPONENTS

Component: ETHYL BENZENE
CAS Number: 100-41-4
ACGIH TLV-TWA: 100 ppm **OSHA PEL-STEL: 125 ppm**
ACGIH TLV-STEL: 125 ppm **NTP: NO**
OSHA PEL-TWA: 100 ppm **IARC: NO**

Component: POLYISOCYANATES PREPOLYMER
CAS Number: Not Established
ACGIH TLV: NOT ESTABLISHED **NTP: NO**
OSHA PEL: NOT ESTABLISHED **IARC: NO**

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
ACGIH TLV-TWA: 100 ppm **OSHA PEL-STEL: 150 ppm**
ACGIH TLV-STEL: 150 ppm **NTP: NO**
OSHA PEL-TWA: 100 ppm **IARC: NO**

SECTION #3 - PHYSICAL DATA

Boiling Point: N/AV°F

Material Safety Data Sheet
SIKAFLEX 241 (ALL COLORS)Page: 2
07/06/93**SECTION #3 - PHYSICAL DATA Continued...**

Melting Point: N/AV°F
Vapor Pressure: N/AV
Vapor Density (Air=1): >AIR
Specific Gravity: 1.19
Packing Density: 10#/GAL
Solubility (H2O): N/AV
Percent Volatiles: 9%
Evaporation Rate: SLOWER THAN ETHER

Appearance

PASTE

Odor

AROMATIC ODOR

SECTION #4 - FIRE FIGHTING & EXPLOSION DATA

Flash Point: 143°F
Autoignition: N/AV°F

Lower Explosive Limit (%): N/AV
Upper Explosive Limit (%): N/AV

Fire and Explosion Hazards

DURING A FIRE, IRRITATING AND/OR TOXIC GASES AND AEROSOLS FROM THE DECOMPOSITION/COMBUSTION PRODUCTS MAY BE PRESENT.

Extinguishing Media

FOAM/DRY CHEMICAL/CO2/WATER FOG

Special Fire Fighting Instructions

WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

SECTION #5 - EXPOSURE and EFFECTS - INHALATIONRoutes of Exposure - Inhalation

MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE RESPIRATORY SENSITIZATION. HIGH VAPOR CONCENTRATIONS OF XYLENE (GREATER THAN APPROX. 1000 PPM) MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.

Material Safety Data Sheet
SIKAFLEX 241 (ALL COLORS)Page: 3
07/06/93**SECTION #5 - EXPOSURE and EFFECTS - INHALATION Continued...****First Aid - Inhalation**

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, INSTITUTE ARTIFICIAL RESPIRATION. CONSULT WITH PHYSICIAN.

SECTION #5 - EXPOSURE and EFFECTS - SKIN**Routes of Exposure - Skin**

MAY CAUSE SKIN IRRITATION. PROLONGED AND/OR REPEATED CONTACT WITH SKIN MAY CAUSE AN ALLERGIC REACTION/SENSITIZATION. MAY CAUSE DERMATITIS (SKIN REDNESS, DRYNESS, SCALING, ETC.) FROM REPEATED OR PROLONGED CONTACT.

First Aid - Skin

WASH SKIN THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF SYMPTOMS PERSIST CONSULT PHYSICIAN.

SECTION #5 - EXPOSURE and EFFECTS - EYES**Routes of Exposure - Eyes**

EYE IRRITANT.

First Aid - Eyes

RINSE EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN.

SECTION #5 - EXPOSURE and EFFECTS - INGESTION**Routes of Exposure - Ingestion**

LOW ORDER OF ACUTE TOXICITY. HARMFUL IF ASPIRATED INTO LUNGS.

First Aid - Ingestion

DILUTE WITH WATER. CONTACT PHYSICIAN.

SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION

CHRONIC OVEREXPOSURE TO XYLENE MAY CAUSE KIDNEY AND/OR LIVER DAMAGE.

SIKAFLEX 241 TESTED ACCORDING TO FHSLS 16 CFR-1500 HAS DETERMINED:

1. PRIMARY SKIN IRRITANT
 - . EYE IRRITANT
 - . NOT TOXIC ORALLY

Material Safety Data Sheet
SIKAFLEX 241 (ALL COLORS)Page: 4
07/06/93**SECTION #5 - MISCELLANEOUS TOXICOLOGICAL INFORMATION Continued...**

- 4. NOT TOXIC BY INHALATION
- 5. NOT TOXIC DERMALLY

SECTION #5 - HEALTH CONDITIONS AGGRAVATED BY EXPOSURE

EYE DISEASE, SKIN DISORDERS AND ALLERGIES, CHRONIC RESPIRATORY DISORDERS.

SECTION #6 - REACTIVITY & POLYMERIZATION

Stability: STABLE

Conditions to Avoid (Stability)

OPEN FLAME, HEAT

Incompatible Materials

WATER, ALCOHOL, AMINES

Hazardous Decomposition ProductsO₂, CO₂, OXIDES OF NITROGEN, SMOKE, FUMES

Hazardous Polymerization: WILL NOT OCCUR

SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURESSteps to be Taken in The Event of Spills, Leaks, or Release

WEAR SUITABLE PROTECTIVE EQUIPMENT. CONTAIN SPILL AND COLLECT WITH ABSORBENT MATERIAL AND TRANSFER INTO SUITABLE CONTAINERS. AVOID CONTACT. VENTILATE ENCLOSED AREA.

Waste Disposal Methods

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SARA Hazard Classes: Acute Health Hazard
Chronic Health Hazard

Material Safety Data Sheet
SIKAPLEX 241 (ALL COLORS)
Page: 5
07/06/93
SECTION #7 - SPILL, LEAK, & DISPOSAL PROCEDURES Continued...
Section 313 Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent of Mixture
100-41-4	ETHYL BENZENE	Unknown 0.7%
1330-20-7	XYLENE, MIXED ISOMERS	2% Unknown Under 3%

This information must be included on all MSDSs that are copied and distributed for this material.

Other Environmental Information

VOC - 97 GRAMS/LITER

SECTION #8 - SPECIAL PROTECTIVE MEASURES
Ventilation

LOCAL EXHAUST HIGHLY RECOMMENDED. VENTILATION SHOULD BE SUFFICIENT TO REDUCE AIR CONTAMINANTS TO BELOW PELs. MECHANICAL EXHAUST HIGHLY RECOMMENDED.

Eye Protection

SAFETY GLASSES/CHEMICAL GOGGLES

Skin Protection

AVOID SKIN CONTACT. WEAR LONG SLEEVE SHIRT AND LONG PANTS. CHEMICAL RESISTANT GLOVES.

Respiratory Protection

IF PELs ARE EXCEEDED, WEAR APPROPRIATE PROPERLY FITTED NIOSH/MSHA APPROVED RESPIRATOR.

SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING
Storage & Handling Conditions

STORE AT 40-95F. CONDITION TO 65-85F BEFORE USING. IF CLOSED CONTAINER IS EXPOSED TO HEAT, PRESSURE CAN BUILD UP. IF MOISTURE ENTERS CONTAINER, PRESSURE MAY BUILD UP DUE TO REACTION.

Material Safety Data Sheet
SIKAFLEX 241 (ALL COLORS)Page: 6
07/06/93**SECTION #9 - SPECIAL PRECAUTIONS - STORAGE & HANDLING Continued...****Storage & Handling Conditions**

STORE IN COOL, DRY AREA IN TIGHTLY CLOSED CONTAINER, AWAY FROM SPARKS AND OPEN FLAMES.

SECTION #10 - SHIPPING INFORMATION

Proper Shipping Name: CAULKING COMPOUND

Hazard Class: NOT REGULATED BY DOT

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

9/18



INDUSTRY

Sika Corporation
27770 Franklin Road
Southfield, MI 48034

Brian Geom.
810-354-6555
Telephone: (810) 353-2150
Fax: (810) 353-2611

TELEFAX

To: Randy

9/17

Julie Grinn
1 800 967 7452

ZHI MSBS

716/93

0257907

10.5 FL 02

0.79 lbs



10-30-259713

MATERIAL SAFETY DATA SHEET

DAP, INC.
P.O. BOX 277
DAYTON, OHIO 45401

MSDS NO: DAP / 30207
INTERNAL ID: 30207
DAP WELDWOOD CARPENTER'S GLUE
REVISION: 6
DATE: OCTOBER 21, 1993

NATIONAL PAINT
AND COATINGS
ASSOCIATION

HAZARDOUS MATERIAL
IDENTIFICATION
SYSTEM

HEALTH HAZARD	1 - SLIGHT
FLAMMABILITY HAZARD	0 - MINIMAL
REACTIVITY HAZARD	0 - MINIMAL
PERSONAL PROTECTION	B - GLASSES, GLOVES

SECTION I. MATERIAL IDENTIFICATION

TRADE/MATERIAL NAME: DAP WELDWOOD CARPENTER'S GLUE

DESCRIPTION: GLUE

CAS: MIXTURE

PREVIOUS MSDS REVISION DATE: SEPTEMBER 10, 1993

DOT INFORMATION FOR DOMESTIC GROUND TRANSPORT:
SHIPPING NAME (49 CFR 172.101): NOT REGULATED BY D.O.T.
D.O.T. HAZARD CLASS (49 CFR 172.101): NONE
D.O.T. SHIPPING NO. (49 CFR 172.101): NONE
D.O.T. LABEL REQUIRED (49 CFR 172.101): NONE
D.O.T. PACKAGING GROUP (49 CFR 172.101): NONE
EPA WASTE CODE - IF DISCARDED (40 CFR 261): NA

*0.5% VOC
other*

MANUFACTURER: DAP, INC.
P.O. BOX 277
DAYTON, OH 45401-0277

PHONE: 24 HOUR EMERGENCY:
INFO TRAC: 1-800-535-5053
DAP, INC.: 1-800-543-3840
GENERAL INFORMATION:
DAP, INC.: 1-800-543-3840

SECTION II. INGREDIENTS AND HAZARDS

INGREDIENT NAME:

PERCENT: EXPOSURE LIMITS: *0.5% VOC
other*

ALL INGREDIENTS ARE NOT REGULATED BY OSHA AND ARE CONSIDERED TRADE SECRETS.

SECTION III. PHYSICAL DATA

APPEARANCE & ODOR: THICK YELLOW LIQUID, SLIGHT ODOR

BOILING POINT: 212F(H₂O)
VAPOR PRESSURE: 17.5MMHG @ 20C(H₂O)
WATER SOLUBILITY (%): MISCIBLE
VAPOR DENSITY (AIR=1): < 1

EVAPORATION RATE: (H₂O=1): 1
SPECIFIC GRAVITY (H₂O=1): 1.08 *9.01 #/g*
% VOLATILE BY VOLUME: 45%

VOC LESS WATER LESS EXEMPT SOLVENT (GRAMS/LITER): 10
VOC MATERIAL (GRAMS/LITER): 5

.042 #/g

Jim



MATERIAL SAFETY DATA SHEET

DAP, INC.
P.O. BOX 277
DAYTON, OHIO 45401

MSDS NO: DAP / 30207
INTERNAL ID: 30207
DAP WELDWOOD CARPENTER'S GLUE
REVISION: 6
DATE: OCTOBER 21, 1993

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): >200F LIMITS: LEL %: NE UEL %: NE
EXTINGUISHING MEDIA: FOAM, WATER, DRY CHEMICALS, CARBON DIOXIDE
UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE KNOWN
SPECIAL FIRE-FIGHTING PROCEDURES: USE WATER SPRAY TO COOL EXPOSED SURFACES

SECTION V. REACTIVITY DATA

MATERIAL IS STABLE AT ROOM TEMPERATURE. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.
CHEMICAL INCOMPATIBILITIES: STRONG OXIDIZERS AND CAUSTICS
CONDITIONS TO AVOID: EXCESSIVE HEAT
HAZARDOUS DECOMPOSITION PRODUCTS: NORMAL COMBUSTION PRODUCTS, I.E. COX, NOX

SECTION VI. HEALTH HAZARD INFORMATION

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY IARC

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: NONE KNOWN
PRIMARY ENTRY ROUTE(S): SKIN CONTACT
ACUTE EFFECTS: MAY IRRITATE EYES, SKIN, NOSE, AND RESPIRATORY TRACT.
CHRONIC EFFECT(S): NONE KNOWN
FIRST AID:

EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.
CONTACT A PHYSICIAN IMMEDIATELY.

SKIN CONTACT: WASH WITH SOAP AND WATER.

INHALATION: REMOVE TO FRESH AIR. CONTACT A PHYSICIAN IMMEDIATELY.

INGESTION: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN OR
REGIONAL POISON CONTROL CENTER IMMEDIATELY.



MATERIAL SAFETY DATA SHEET

DAP, INC.
P.O. BOX 277
DAYTON, OHIO 45401

MSDS NO: DAP / 30207
INTERNAL ID: 30207
DAP WELDWOOD CARPENTER'S GLUE
REVISION: 6
DATE: OCTOBER 21, 1993

SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

SPILL / LEAK PROCEDURES: DIKE SPILL AREA. USE ABSORBENT MATERIAL OR SCRAPE UP DRIED MATERIAL AND PLACE INTO CONTAINERS.

WASTE MANAGEMENT / DISPOSAL: DISPOSE OF ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS. THIS PRODUCT DOES NOT MEET THE DEFINITION OF A HAZARDOUS WASTE ACCORDING TO U.S. EPA HAZARDOUS WASTE MANAGEMENT REGULATIONS, 40 CFR SECTION 261. SOLIDIFY AND DISPOSE OF IN AN APPROVED INDUSTRIAL LANDFILL.

SECTION VIII. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: SAFETY GLASSES RECOMMENDED IF SPLASH POTENTIAL MAY EXIST.

GLOVES: RECOMMENDED FOR REPEATED OR PROLONGED CONTACT.

RESPIRATOR: NOT REQUIRED. SEE VENTILATION SECTION BELOW.

WORKPLACE CONSIDERATIONS:

VENTILATION: NORMAL ROOM VENTILATION.

SAFETY STATIONS:
NOT REQUIRED.

CONTAMINATED EQUIPMENT:
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION IX. SPECIAL PRECAUTIONS

STORAGE SEGREGATION: STORE AWAY FROM CAUSTICS AND OXIDIZERS.

SPECIAL HANDLING / STORAGE: KEEP CONTAINERS AWAY FROM EXCESSIVE HEAT AND FREEZING. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY.

DOT CLASS: SEE SECTION I

UN REGISTER: SEE SECTION I

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THE RECOMMENDATIONS IN SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE IF THEY ARE APPROPRIATE.



DAP INC.
 PRODUCT SAFETY DEPARTMENT
 P.O. BOX 277
 DAYTON, OH 45401

EMERGENCY PHONE NO.: INFO-TRAC 1-800-535-5053
 DAP INC. 1-800-543-3840

TO: 0869310000
 SEA RAY BOATS INC.
 100 SEA RAY DR
 MERRITT ISLAND, FL 329534197

245

*** MATERIAL SAFETY DATA SHEET ***

THIS MSDS COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

PLEASE DO NOT DESTROY THIS INFORMATION, FILE IT WITH YOUR PERMANENT RECORDS OF PRODUCT INFORMATION. IF YOUR DEPARTMENT IS NOT RESPONSIBLE FOR THESE FILES, PLEASE FORWARD THIS INFORMATION TO THE APPROPRIATE DEPARTMENT.

MSDS DEFINITIONS

ABBREVIATIONS:

- ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENIST
- CAS - CHEMICAL ABSTRACT SERVICE
- CFR - CODE OF FEDERAL REGULATIONS
- DOT - DEPARTMENT OF TRANSPORTATION
- EPA - ENVIRONMENTAL PROTECTION AGENCY
- HMIS - HAZARDOUS MATERIAL IDENTIFICATION SYSTEM
- IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
- NA - NOT APPLICABLE
- NE - NOT ESTABLISHED
- NTP - NATIONAL TOXICOLOGY PROGRAM
- PEL - PERMISSIBLE EXPOSURE LIMIT
- RCRA - RESOURCE CONSERVATION AND RECOVERY ACT
- RTECS - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
- SARA - SUPERFUND AMENDMENTS AND RE-AUTHORIZATION ACT OF 1986
- STEL - SHORT TERM EXPOSURE LIMIT (FOR 15-MINUTE PERIOD)
- TLV - THRESHOLD LIMIT VALUE (8-HOUR TIME WEIGHTED AVERAGE)
- TSCA - TOXIC SUBSTANCES CONTROL ACT (EPA INVENTORY OF TOXIC SUBSTANCES)
- VOC - VOLATILE ORGANIC COMPOUNDS
- NJRTK - NEW JERSEY RIGHT TO KNOW

SECTION I - MATERIAL IDENTIFICATION

PROVIDES PRODUCT INFORMATION INCLUDING: PRODUCT AND MANUFACTURER NAME, DOT CLASSIFICATIONS, SUBSTANCES LISTED ON EPA PRIORITY POLLUTANTS LIST, AND A GENERIC DESCRIPTION OF THE PRODUCT.

SECTION II - HAZARDOUS INGREDIENTS

ALL HAZARDOUS INGREDIENTS OF REPORTABLE QUANTITIES ARE LISTED IN THIS SECTION. ALSO INCLUDED ARE CAS REGISTRY NUMBERS, PERCENT OF TOTAL PRODUCT AND KNOWN EXPOSURE LIMITS. SARA 313 CHEMICALS ARE ALSO LISTED.



A HAZARDOUS COMPONENT IS LISTED IF:

- 1.) IT IS A SUBSTANCE LISTED IN THE OSHA Z-TABLES WITH AN ESTABLISHED PEL, AND/OR
- 2.) IT HAS AN ACGIH TLV; AND/OR
- 3.) IT IS LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA; AND/OR
- 4.) IT HAS A FLASH POINT BELOW 200 F; AND/OR
- 5.) IT MAY UNDERGO HAZARDOUS POLYMERIZATION; AND/OR
- 6.) IT IS A STRONG OXIDIZING OR CAUSTIC AGENT; AND/OR
- 7.) IT CAUSES SKIN BURNS; AND/OR
- 8.) IT IS A SUBSTANCE LISTED IN SARA 313.

A COMPONENT MEETING AT LEAST ONE OF THESE CRITERIA IS LISTED IF IT IS PRESENT IN ONE OR MORE PERCENT OF THE PRODUCT. SUSPECT CARCINOGENS AND OTHER ACUTE HEALTH HAZARDS ARE LISTED IF PRESENT IN AT LEAST ONE-TENTH OF ONE PERCENT OF THE PRODUCT.

SECTION III - PHYSICAL DATA

GIVES AVAILABLE PHYSICAL DATA FOR THE PRODUCT.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT IS CLOSED CUP UNLESS OTHERWISE INDICATED.

SPECIAL FIREFIGHTING PROCEDURES; EXPLAINS PROTECTIVE EQUIPMENT AND PROCEDURES FOR FIREFIGHTERS TO PROTECT FROM COMBUSTION PRODUCTS.

SECTION V - REACTIVITY DATA

INDICATES WHETHER MATERIAL WILL REACT VIOLENTLY UNDER CONDITIONS SPECIFIED. ALSO STATES MATERIALS AND CONDITIONS TO AVOID WHICH MIGHT CREATE UNSTABLE CONDITIONS.

SECTION VI - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE; ACUTE (IMMEDIATE) & CHRONIC (LONG-TERM) HEALTH EFFECTS OF OVEREXPOSURE TO THE HAZARDOUS COMPONENTS OF THE PRODUCTS. LOCAL AND SYSTEMIC EFFECTS TO SKIN, EYES, PULMONARY SYSTEM.

FIRST AID PROCEDURES; GENERAL GUIDELINES IN CASE OF OVEREXPOSURE IF PHYSICIAN IS NOT IMMEDIATELY AVAILABLE.

PRIMARY ENTRY ROUTE; MOST LIKELY ENTRY ROUTE OF THE PRODUCT INTO THE BODY. TOXICITY RATINGS, WHEN AVAILABLE, ARE PROVIDED FOR HAZARDOUS INGREDIENTS; THIS INFORMATION IS GATHERED FROM RTECS REFERENCES.

SECTION VII - SPILL, LEAK, AND DISPOSAL PROCEDURES

PRECAUTIONS TO BE TAKEN AND METHODS OF CLEAN-UP AND DISPOSAL OF MATERIALS IN CASE OF SPILLAGE OF PRODUCT. CONSULT FEDERAL, STATE AND LOCAL REGULATIONS FOR ACCEPTABLE DISPOSAL METHODS.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT AND WORKPLACE CONSIDERATIONS ARE GIVEN IN THIS SECTION.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE INFORMATION CAN BE FOUND IN THIS SECTION. ANY OTHER RELEVANT INFORMATION NOT PREVIOUSLY MENTIONED WILL BE COVERED IN THIS SECTION.

270009

(Total Pages = 6)

PAINT THINNER/REGULAR MINERAL SPIRITS

MATERIAL SAFETY DATA SHEET

KARDOL

KARDOL INC.
 4400 34th St., N. (Unit K)
 St. Petersburg, FL 33714-3721

Unocal Corporation
 1201 West 5th Street
 Los Angeles, California 90017

Product Name: REGULAR MINERAL SPIRITS PAINT THINNER
 Product Code No: 11005
 Issue Date: 11/26/90
 Status: FINAL
 Page 1

Responsible Party:
 UNOCAL CHEMICALS DIVISION - PETROCHEM. GROUP
 UNION OIL COMPANY OF CALIFORNIA
 1345 NORTH MEACHAM ROAD
 SCHAUMBURG, ILLINOIS 60196
 CONTACT FOR FURTHER INFORMATION:
 YOUR LOCAL SALES OFFICE (LAST PAGE)

Transportation Emergencies:
 CHEMTREC
 (800) 424-9300 Cont. U.S.
 (202) 483-7616 (Collect)
 from Alaska & Hawaii
 Health Emergencies:
 LOS ANGELES POISON
 CONTROL CENTER (24 hrs)
 (800) 356-3129

PRODUCT IDENTIFICATION

PRODUCT NAME: REGULAR MINERAL SPIRITS
GENERIC NAME: VOLATILE SOLVENT
CHEMICAL FAMILY: HYDROCARBON MIXTURE
DOT PROPER SHIPPING NAME: PETROLEUM NAPHTHA
ID NUMBER: UN1255
DOT HAZARD CLASSIFICATION: COMBUSTIBLE LIQUID

PRECAUTIONARY WARNING

CAUTION!
 COMBUSTIBLE LIQUID AND VAPOR. CAUSES SKIN IRRITATION. ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. KEEP AWAY FROM HEAT SPARKS, FLAMES OR OTHER SOURCES OF IGNITION (e.g., STATIC ELECTRICITY, PILOT LIGHTS OR MECHANICAL/ELECTRICAL EQUIPMENT). KEEP CONTAINER TIGHTLY CLOSED. USE WITH ADEQUATE VENTILATION. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, GRIND OR DRILL ON OR NEAR CONTAINER. "EMPTY" CONTAINER RETAINS RESIDUE (LIQUID AND/OR VAPOR) AND MAY EXPLODE IN HEAT OF A FIRE. OPEN CONTAINER SLOWLY TO RELIEVE ANY PRESSURE. BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL TO ANOTHER. AVOID CONTACT WITH SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT TASTE OR SWALLOW.

SECTION I - COMPONENTS	PERCENT	EXPOSURE LIMIT	UNITS	AGENCY	TYPE
------------------------	---------	----------------	-------	--------	------

HAZARDOUS COMPONENTS

STODDARD SOLVENT CAS #: 8052-41-3	100.000	ppm	ACGIN	TWA
	200.000	ppm	MSHA	TWA
	100.000	ppm	OSHA	TWA
	100.000	ppm	CAL OSHA	TWA

OTHER COMPONENTS

--NONE--

Post-it® Fax Note	7671	Date	11-23	# of pages	6
To	Tapy				
Co./Dept	Nestor				
Phone #					
Fax #	544-7160				

UNION OIL CO.
 Product Name: REGULAR MINERAL SPIRITS
 Product Code No: 11005

Page 2
 Issue Date: 11/26/90
 Status: FINAL

SECTION I

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372:

	CAS NUMBER	WEIGHT %
--NONE--		

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

*****EMERGENCY*****
 Have physician call LOS ANGELES POISON CONTROL CENTER (24 hrs) (800) 356-3129

EYE CONTACT:

IF IRRITATION OR REDNESS DEVELOPS, MOVE VICTIM AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES WITH CLEAN WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

REMOVE CONTAMINATED SHOES AND CLOTHING AND FLUSH AFFECTED AREA(S) WITH LARGE AMOUNTS OF WATER. IF SKIN SURFACE IS DAMAGED, APPLY A CLEAN DRESSING, AND SEEK MEDICAL ATTENTION. IF SKIN SURFACE IS NOT DAMAGED, CLEANSE THE AFFECTED AREA(S) THOROUGHLY BY WASHING WITH MILD SOAP AND WATER. IF IRRITATION OR REDNESS DEVELOPS, SEEK MEDICAL ATTENTION.

INHALATION (BREATHING):

IF RESPIRATORY SYMPTOMS DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. SEEK IMMEDIATE MEDICAL ATTENTION.

INGESTION (SWALLOWING):

ASPIRATION HAZARD: DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH BECAUSE THIS MATERIAL CAN ENTER THE LUNGS AND CAUSE SEVERE LUNG DAMAGE. IF VICTIM IS DROWSY OR UNCONSCIOUS, PLACE ON THE LEFT SIDE WITH THE HEAD DOWN. IF POSSIBLE, DO NOT LEAVE VICTIM UNATTENDED. SEEK MEDICAL ATTENTION.

SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY**EYE CONTACT:**

THIS MATERIAL MAY CAUSE MILD EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO VAPORS OR MISTS MAY CAUSE STINGING, TEARING AND REDNESS.

SKIN CONTACT:

THIS MATERIAL IS A SKIN IRRITANT. DIRECT CONTACT OR EXPOSURE TO VAPORS OR MISTS MAY CAUSE REDNESS AND BURNING, DRYING AND CRACKING OF THE SKIN, AND SKIN DAMAGE. NO HARMFUL EFFECTS HAVE BEEN DEMONSTRATED IN SKIN ABSORPTION STUDIES. PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.

INHALATION (BREATHING):

THIS MATERIAL IS EXPECTED TO HAVE A LOW DEGREE OF TOXICITY BY INHALATION. BREATHING HIGH CONCENTRATIONS OF VAPORS OR MISTS MAY CAUSE IRRITATION OF THE NOSE AND THROAT AND SIGNS OF NERVOUS SYSTEM DEPRESSION (e.g. HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE). RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (e.g. ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

UNION OIL CO.
 Product Name: REGULAR MINERAL SPIRITS
 Product Code No: 11005

Page 3
 Issue Date: 11/28/90
 Status: FINAL

SECTION III - HEALTH HAZARDS/ROUTES OF ENTRY

INGESTION (SWALLOWING):

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT AND SIGNS OF NERVOUS SYSTEM DEPRESSION (e.g. HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION, AND FATIGUE). ASPIRATION HAZARD - THIS MATERIAL CAN ENTER LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND DAMAGE.

COMMENTS:

THIS MATERIAL HAS NOT BEEN IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOMETIMES REFERRED TO AS SOLVENT OR PAINTERS' SYNDROME). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL. THIS PRODUCT IS SOMETIMES USED AS A DRY-CLEANING SOLVENT. RETAINED SOLVENT IN ABSORBENT CLOTHING (e.g. SHOULDER PADS) THAT REMAINS IN CONTACT WITH THE SKIN FOR PROLONGED PERIODS HAS CAUSED SEVERE SKIN IRRITATION INCLUDING REDNESS, SWELLING, BURNS AND SEVERE SKIN DAMAGE. CARE MUST BE TAKEN TO ENSURE THAT GARMENTS CLEANED WITH SOLVENTS ARE COMPLETELY DRY BEFORE BEING WORN.

SECTION IV - SPECIAL PROTECTION INFORMATION

VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I), ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED. WHERE EXPLOSIVE MIXTURES MAY BE PRESENT, ELECTRICAL SYSTEMS SAFE FOR SUCH LOCATIONS MUST BE USED.

RESPIRATORY PROTECTION:

THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS (SEE SECTION I). DEPENDING ON THE AIRBORNE CONCENTRATION, USE A RESPIRATOR OR GAS MASK WITH APPROPRIATE CARTRIDGES AND CANNISTERS (NIOSH APPROVED, IF AVAILABLE) OR SUPPLIED AIR EQUIPMENT.

PROTECTIVE GLOVES:

THE USE OF GLOVES IMPERMEABLE TO THE SPECIFIC MATERIAL HANDLED IS ADVISED TO PREVENT SKIN CONTACT, POSSIBLE IRRITATION AND SKIN DAMAGE.

EYE PROTECTION:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY IS RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.

SECTION V - REACTIVITY DATA

REACTIVITY:

STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS AFFECTING REACTIVITY:

AVOID ALL POSSIBLE SOURCES OF IGNITION (SEE SECTIONS VII AND VIII).

UNION OIL CO.

Product Name: REGULAR MINERAL SPIRITS
Product Code No: 11005

Page 4
Issue Date: 11/28/90
Status: FINAL

SECTION V - REACTIVITY DATA

INCOMPATIBLE MATERIALS:

THIS PRODUCT IS INCOMPATIBLE WITH STRONG ACIDS OR BASES, OXIDIZING AGENTS AND SELECTED AMINES.

HAZARDOUS DECOMPOSITION PRODUCTS:

COMBUSTION MAY YIELD CARBON DIOXIDE AND CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

POLYMERIZATION CONDITIONS TO AVOID:

NONE KNOWN

SECTION VI - SPILL AND LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS
Call CHEMTREC (800) 424-9300 Cont. U.S.
(Collect) (202) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

COMBUSTIBLE. KEEP ALL SOURCES OF IGNITION AWAY FROM SPILL/RELEASE. STAY UPWIND AND AWAY FROM SPILL/RELEASE. ISOLATE HAZARD AREA AND LIMIT ENTRY TO AUTHORIZED PERSONNEL. STOP SPILL/RELEASE IF IT CAN BE DONE WITHOUT RISK. WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT (SEE SECTION IV). PREVENT SPILLED MATERIAL FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED TREATMENT DRAINAGE SYSTEMS AND NATURAL WATERWAYS. DIKE FAR AHEAD OF SPILL FOR LATER RECOVERY OR DISPOSAL. SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBENT MATERIAL. NOTIFY FIRE AUTHORITIES AND APPROPRIATE FEDERAL, STATE AND LOCAL AGENCIES. IMMEDIATE CLEANUP OF ANY SPILL IS RECOMMENDED.

WASTE DISPOSAL METHOD:

DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE, AND FEDERAL REGULATIONS.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

KEEP CONTAINER(S) TIGHTLY CLOSED. USE AND STORE THIS MATERIAL IN COOL, DRY, WELL VENTILATED AREAS AWAY FROM HEAT AND ALL SOURCES OF IGNITION. POST AREA "NO SMOKING OR OPEN FLAME." BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL TO ANOTHER. STORE ONLY IN APPROVED CONTAINERS. KEEP AWAY FROM ANY INCOMPATIBLE MATERIALS (SEE SECTION V). PROTECT CONTAINER(S) AGAINST PHYSICAL DAMAGE. THE USE OF EXPLOSION-PROOF EQUIPMENT IS RECOMMENDED AND MAY BE REQUIRED (SEE APPROPRIATE FIRE CODES.) DO NOT ENTER CONFINED SPACES SUCH AS TANKS OR PITS WITHOUT FOLLOWING PROPER ENTRY PROCEDURES SUCH AS ASTM D-4276. OUTDOOR OR DETACHED STORAGE IS PREFERRED. INDOOR STORAGE SHOULD MEET OSHA STANDARDS AND APPROPRIATE FIRE CODES. THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED ANY ESTABLISHED EXPOSURE LIMITS (SEE SECTIONS I AND IV). WASH THOROUGHLY AFTER HANDLING. DO NOT WEAR CONTAMINATED CLOTHING OR SHOES. USE GOOD PERSONAL HYGIENE PRACTICE. OPEN CONTAINER SLOWLY TO RELIEVE ANY PRESSURE. "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. "EMPTY" DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY SHIPPED TO THE SUPPLIER OR A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS. BEFORE WORKING ON OR IN TANKS WHICH CONTAIN OR HAVE CONTAINED THIS PRODUCT, REFER TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, ANSI Z49.1, AND OTHER GOVERNMENTAL AND INDUSTRIAL REFERENCES PERTAINING TO CLEANING, REPAIRING, WELDING, OR OTHER CONTEMPLATED OPERATIONS.

UNION OIL CO.

Product Name: REGULAR MINERAL SPIRITS
Product Code No: 11005

Page 5
Issue Date: 11/26/90
Status: FINAL

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

NFPA HAZARD CLASS	HEALTH HAZARD:	1	HAZARD RANKING 0 - LEAST 1 - SLIGHT 2 - MODERATE 3 - HIGH 4 - EXTREME * - CHRONIC HEALTH EFFECTS	FLASH POINT 101 F (TCC)
	FLAMMABILITY:	2		
	REACTIVITY:	0		
	OTHER:			
HMIS HAZARD CLASS	HEALTH HAZARD:	2		
	FLAMMABILITY:	2		
	REACTIVITY:	0		
	PPE:			

LOWER EXPLOSIVE LIMIT (% VOL.)

0.7

UPPER EXPLOSIVE LIMIT (% VOL.)

6.0

EXTINGUISHING MEDIA:

DRY CHEMICAL, CARBON DIOXIDE, HALON, FOAM OR WATER SPRAY IS RECOMMENDED.

UNUSUAL FIRE & EXPLOSION HAZARDS:

THIS MATERIAL IS COMBUSTIBLE AND MAY BE IGNITED BY HEAT, SPARKS, FLAME OR OTHER SOURCES OF IGNITION (e.g. STATIC ELECTRICITY, PILOT LIGHTS, MECHANICAL/ELECTRICAL EQUIPMENT). VAPORS MAY TRAVEL CONSIDERABLE DISTANCES TO A SOURCE OF IGNITION WHERE THEY MAY IGNITE, FLASHBACK OR EXPLODE. VAPOR/AIR EXPLOSION HAZARD INDOORS/OUTDOORS OR IN SEWERS. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS. IF CONTAINER IS NOT PROPERLY COOLED, IT MAY EXPLODE IN THE HEAT OF A FIRE.

SPECIAL FIRE FIGHTING PROCEDURES:

WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT (SEE SECTION IV). STOP SPILL/RELEASE IF IT CAN BE DONE WITHOUT RISK. MOVE UNDAMAGED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK. WATER SPRAY MAY BE USEFUL IN MINIMIZING OR DISPERSING VAPORS AND COOLING EQUIPMENT EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

SECTION IX - PHYSICAL DATA

***UNLESS OTHERWISE NOTED, VALUES ARE AT 20 C/68 F AND 760 mm Hg/1 atm.

<u>APPROX BOILING POINT</u>	(AIR = 1) <u>VAPOR DENSITY</u>	(N-BUTYL ACETATE = 1) <u>EVAPORATION RATE</u>	<u>% VOLATILE</u>
310-405 F	4.9	0.12	100
<u>% SOLUBILITY IN WATER</u>	<u>VAPOR PRESSURE (mm Hg)</u>		
<0.1	3.1		
<u>SPECIFIC GRAVITY</u>	<u>APPROX. BULK DENSITY (lb/gal)</u>		
0.788 (60 F/60 F)	6.56 (60 F)		

APPEARANCE

CLEAR, LITTLE IF ANY COLOR, LIQUID

ODOR

CHARACTERISTIC

UNION OIL CO.

Product Name: REGULAR MINERAL SPIRITS
Product Code No: 11005

Page 6
Issue Date: 11/26/90
Status: FINAL

SECTION X - DOCUMENTARY INFORMATION

ISSUE DATE: 11/26/90 PRODUCT CODE NO. 11005
PREV. DATE: 12/01/90 PREV. PROD. CODE NO. NONE
MSDS NO: NONE PREV. MSDS NO: NONE

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL SALES OFFICE

ATLANTA	(404) 934-0343 (800) 633-2362	LOS ANGELES	(714) 228-4700
BALTIMORE (Outside MD)	(301) 355-2737 (800) 638-7676	MIAMI (FL Only) (FL Only)	(305) 634-2411 (800) 621-3841 (800) 282-0537
BIRMINGHAM (Outside AL) (Inside AL)	(205) 995-9776 (800) 328-1611 (800) 328-1610	NASHVILLE (TN Only)	(615) 320-5474 (800) 325-7685
CHARLOTTE (NC Only) (SC, GA, VA)	(704) 588-2633 (800) 532-6103 (800) 438-2968	NY/NJ (NY Only)	(201) 574-9890 (800) 526-4376
CHICAGO	(708) 257-9300	PHILADELPHIA CONSHOHOCKEN	(215) 753-1903 (215) 828-1010
CINCINNATI	(513) 422-0176	NEW ENGLAND	(401) 438-7240 (800) 523-0725
CLEVELAND	(216) 425-4600	SAN FRANCISCO/ OAKLAND AREA	(415) 562-1976
DALLAS/FT. WORTH	(214) 298-8233	TWIN CITIES	(612) 227-8020
DETROIT	(313) 772-0870	WICHITA	(316) 838-3335
HOUSTON	(713) 643-3517		
KANSAS CITY	(816) 231-7600		

***** THIS IS THE LAST PAGE *****
***** THIS IS THE LAST PAGE *****
***** THIS IS THE LAST PAGE *****

MATERIAL SAFETY DATA SHEET

180-665-

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER SEAMFIL 901 & All Colors		277681, 277699 & 277707	
GENERIC NAME CELLULOSE BUTYRATE LAQUER		<i>(antique)</i> <i>(white)</i> <i>(clear)</i> <i>(B.S.M.)</i>	
MANUFACTURER'S NAME KAMPEL ENTERPRISES, INC.	SUPPLIER'S NAME		
STREET ADDRESS 8930 Carlisle Road		STREET ADDRESS	
CITY Wellsville	PROVINCE PA	CITY	PROVINCE
POSTAL CODE 17365	EMERGENCY TELEPHONE NO. 1-800-457-4280	POSTAL CODE	EMERGENCY TELEPHONE NO.

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER OR UN NUMBER OR NA NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)
Acetone	13.7	10-20	67-64-1	N/av.
Isopropyl Alcohol	9.1	5-15	67-63-0	N/av.
Methyl Ethyl Ketone	9.1	5-15	78-93-3	N/av.
Xylene	13.7	10-20	1330-20-7	N/av.
Isopropyl Acetate	13.7	10-20	108-21-4	N/av.
Magnesium Silicate Hydrate	15-25		1343-90-4	N/av.
Titanium Dioxide	2-7		13463-67-7	N/av.
Cellulose Acetate Butyrate Resin	15-25		9004-36-8	N/av.

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE Liquid	ODOR AND APPEARANCE Very viscous liquid, ketone odor	ODOR THRESHOLD (ppm) N/av.
VAPOR PRESSURE (MM HG) N/av.	VAPOR DENSITY (AIR=1) > 1	EVAPORATION RATE Slower than Ether
	SPECIFIC GRAVITY > 1	BOILING POINT Range 130-280 °F
		FREEZING POINT N/av.
		DENSITY (GM/L) N/av.
		COEFF. WATER/OIL D.F. N/av.

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? Flame or high heat.		
MEANS OF EXTINCTION Use sand, foam, carbon dioxide, chemical types. Cool exposed containers with water to prevent explosion.		
SPECIAL PROCEDURES Avoid breathing vapor. Use air supplied rescue equipment for enclosed areas.		
FLASHPOINT AND METHOD 4°F (T.C.C.)	UPPER FLAMMABLE LIMIT (% BY VOLUME) N/av.	LOWER FLAMMABLE LIMIT (% BY VOLUME) 1.2
AUTOIGNITION TEMPERATURE N/av.	HAZARDOUS COMBUSTION PRODUCTS N/av.	
EXPLOSION DATA SENSITIVITY TO IMPACT N/av.	SENSITIVITY TO STATIC DISCHARGE N/av.	

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? Not applicable
COMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? Avoid contact with strong oxidants
REACTIVITY, AND UNDER WHAT CONDITIONS Avoid flame or high heat
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide may form when burned

PRODUCT IDENTIFIER

SEAMFIL 901 & All Colors

SECTION 6 - TOXICOLOGICAL PROPERTIES

MODE OF ENTRY

SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Solvent vapors may cause drowsiness, headache, dizziness, and irritation of eyes, nose and throat.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None

EXPOSURE LIMITS

N/av.

IRRITANCY OF PRODUCT

N/av.

SENSITIZATION TO PRODUCT

N/av.

CARCINOGENICITY

N/av.

TERATOGENICITY

N/av.

REPRODUCTIVE TOXICITY

N/av.

MUTAGENICITY

N/av.

SYNERGISTIC PRODUCTS

N/av.

SECTION 7 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY)

N/ap.

RESPIRATOR (SPECIFY)

MESA/NIOSH resp. above 60 ppm

EYE (SPECIFY)

Glasses or goggles

FOOTWEAR (SPECIFY)

N/ap.

CLOTHING (SPECIFY)

rubber apron

OTHER (SPECIFY)

N/ap.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS)

Local exhaust ventilation.

LEAK AND SPILL PROCEDURE

Remove all sources of ignition. Wear approved respirator. Contain spill with inert substance (sand, dirt), put mixture in containers for disposal. Keep spill out of sewers and open bodies of water.

WASTE DISPOSAL

According to local, state and federal regulations.

HANDLING PROCEDURES AND EQUIPMENT

Keep away from heat and flame.

STORAGE REQUIREMENTS

Not available

SPECIAL SHIPPING INFORMATION

LABEL: FLAMMABLE LIQUID, N.O.S.
UN 1993

TDG UN NUMBER

FLAMMABLE LIQUID, N.O.S.
UN 1993**SECTION 8 - FIRST AID MEASURES**

SPECIFIC MEASURES

EYE CONTACT: Flush eyes with a large quantity of water.

INHALATION: Remove to fresh air.

INGESTION: Consult a physician.

SECTION 9 - PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.)

KAMPEL ENTERPRISES, INC.

PHONE NUMBER

(717) 432-9688

DATE

FEBRUARY 12, 1991

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

277731

PAGE:
GE281

MANUFACTURED BY:

GENERAL ELECTRIC CO.
SILICONE PRODUCTS DIV
WATERFORD, NY 12188

EMERGENCY TELEPHONE:

(518) 237-3330 (24 HRS)

SUPPLIED BY:

GENERAL ELECTRIC CO.
SILICONE PRODUCTS DIV
WATERFORD, NY 12188

(518) 237-3330 (24 HRS)

896-9180

REVISED: 02/16/89
PREPARER: DA POLSINELLI

*** I PRODUCT IDENTIFICATION ***

PRODUCT IDENTIFICATION: GE281
CHEMICAL FAMILY
SILICONE RUBBER SEALANT
CHEMICAL NAME: SILICONE SEALANT

25-110
277731

FORMULA: MIXTURE

*** II PRODUCT COMPONENTS ***

PRODUCT COMPOSITION	APPROX. WGT. %	ACGIH TLV	OSHA PEL	CAS REG NO.
A. HAZARDOUS				
METHYLTRIMETHOXYSILANE	1-5	200(R)	200(R)	PPM 1185-55-3*
TRADE SECRET COMPONENT	1-5	25(R)	35STEL	(R)PPM
B. NON-HAZARDOUS				

FORMULATION INFORMATION:
THIS SPACE RESERVED FOR SPECIAL USE.

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PAGE: 2
GE281

*** III PHYSICAL DATA ***

PRODUCT INFORMATION

BOILING POINT	: NA (F) NA (C)	% VOLATILE BY VOLUME	: <4
VAPOR PRESSURE(20 C)	: NA MM HG	EVAPORATION RATE	: <1
VAPOR DENSITY(AIR=1)	: NA	(BUTYL ACETATE=1)	
FREEZING POINT	: NA (F) NA (C)	SPECIFIC GRAVITY	: 1.030
MELTING POINT	: NA (F) NA (C)	(WATER=1)	
PHYSICAL STATE	: SOLID	DENSITY	: 1030 KG/M3
COLOR	: AMMONIA	ACID/ALKALINITY	: UNKN MEG/G
APPEARANCE	: WHITE	PH	: NA
FLASH POINT	: 46.8 (PPM)		
SOLUBILITY IN WATER(20C)	: INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT	: PARTIALLY IN TOLUENE		
(STATE SOLVENT)			

*** IV FIRE AND EXPLOSION DATA ***

FLASH PT: NA (F) NA (C) BY NA IGNITION TEMP: UNKN (F) UNKN (C)
 FLAMMABLE LIMITS IN AIR(%): LOWER UNKN UPPER UNKN
 SENSITIVITY TO MECHANICAL IMPACT (Y/N): N
 SENSITIVITY TO STATIC DISCHARGE:
 SENSITIVITY TO STATIC DISCHARGE IS NOT EXPECTED.
 EXTINGUISHING MEDIA:
 ALL STANDARD FIREFIGHTING MEDIA
 SPECIAL FIREFIGHTING PROCEDURES:
 NONE KNOWN.

*** V REACTIVITY DATA ***

STABILITY: HAZARDOUS:
 X STABLE UNSTABLE POLYMERIZATION WILL NOT OCCUR
 HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:
 CARBON MONOXIDE.
 CARBON DIOXIDE.
 SILICON DIOXIDE.
 METHANOL.
 AMMONIA.
 INCOMPATIBILITY (MATERIALS TO AVOID):
 NONE KNOWN.
 CONDITIONS TO AVOID:
 VAPOR AND/OR LIQUID REACT WITH WATER TO FORM AMMONIA.
 APPLIES IN UNCURED STATE.

*** VI HEALTH HAZARD DATA ***

ACUTE SIGNS/EFFECTS OF OVEREXPOSURE:
 INGESTION:
 MAY BE HARMFUL IF SWALLOWED.
 SKIN CONTACT:

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PAGE: 3
GE281

UNCURED PRODUCT CONTACT MAY IRRITATE THE SKIN.

INHALATION:
CAUSES MILD RESPIRATORY IRRITATION.
APPLIES ONLY IN UNCURED STATE.

EYE CONTACT:
UNCURED PRODUCT CONTACT IRRITATES EYES.

MEDICAL CONDITIONS AGGRAVATED:
RESPIRATORY
APPLIES IN UNCURED STATE.

OTHER:
METHANOL RELEASED DURING CURING.
AMMONIA RELEASED DURING CURING.

CHRONIC EFFECTS OF OVEREXPOSURE:
NONE KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:
INGESTION:

DO NOT INDUCE VOMITING. SLOWLY DILUTE WITH 1-2 GLASSES OF WATER OR MILK AND SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN:
TO CLEAN FROM SKIN, REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER.

INHALATION:
MOVE PERSON TO FRESH AIR.

EYES:
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

NOTE TO PHYSICIAN:
NONE KNOWN.

TOXICITY:	METHYLTRIMETHOXYSILANE
ROUTE ORAL LD50:	12,500 (RAT) MG/KG
ROUTE DERMAL LD50:	NONE FOUND MG/KG
ROUTE INHALATION LC50:	NONE FOUND
OTHER:	NONE.

TESTS TEST: UNKNOWN

TOXICITY:	TRADE SECRET COMPONENT
ROUTE ORAL LD50:	1,000 (RAT) MG/KG
ROUTE DERMAL LD50:	5,400 (RBT) MG/KG
ROUTE INHALATION LC50:	>200 MG/L (RAT)
OTHER:	NONE.

TESTS TEST: UNKNOWN

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PAGE: 6
GE281

PRINCIPAL ROUTES OF EXPOSURE:

- ORAL.
- EYES.
- INHALATION.

THIS PRODUCT OR ONE OF ITS INGREDIENTS PRESENT 0.1% OR MORE IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY IARC, OSHA OR OSHA PRODUCTS/INGREDIENTS

THIS SPACE RESERVED FOR SPECIAL USE.

PREVENTIVE MEASURES (SECTIONS VII, VIII, IX)

*** VII SPECIAL PROTECTIVE EQUIPMENT ***

RESPIRATORY PROTECTION:

- USE IN A WELL VENTILATED AREA.
- USE APPROVED NIOSH RESPIRATORY PROTECTION IF TLV EXCEEDED.....
- OR OVER EXPOSURE IS LIKELY.

PROTECTIVE GLOVES:

- CLOTH GLOVES.

EYE AND FACE PROTECTION:

- SAFETY GLASSES.

OTHER PROTECTIVE EQUIPMENT:

- NONE KNOWN.

VENTILATION:

- USE ONLY IN WELL VENTILATED AREA.
- MECHANICAL VENTILATION.

*** VIII SPILL, LEAK AND DISPOSAL PROCEDURES ***

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

- WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL.
- WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE EQUIPMENT SECTION.

DISPOSAL METHOD:

- DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

*** IX SPECIAL PRECAUTIONS ***

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- KEEP CONTAINER CLOSED WHEN NOT IN USE.
- AVOID CONTACT WITH SKIN AND EYES.
- REMOVE CONTACT LENSES BEFORE USING SEALANT. DO NOT HANDLE LENSES UNTIL ALL SEALANT HAS BEEN CLEANED FROM THE FINGERTIPS, NAILS AND CUTICLES. RESIDUAL SEALANT MAY REMAIN ON FINGERS FOR SEVERAL DAYS AND TRANSFER TO LENSES AND CAUSE SEVERE EYE IRRITATION.
- USE MECHANICAL VENTILATION TO STAY BELOW TLV OF 25 PPM AMMONIA.

E

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PAGE: 5
GE281

PRODUCT RELEASES METHANOL DURING APPLICATION AND CURING.
(METHANOL TLV = 200 PPM).
PRODUCT RELEASES AMMONIA DURING APPLICATION AND CURING.
UNCURED PRODUCT CONTACT IRRITATES EYES.
UNCURED PRODUCT CONTACT MAY IRRITATE SKIN.

ENGINEERING CONTROLS:
EXHAUST VENTILATION
EYEWASH STATIONS.
USE IN A WELL VENTILATED AREA.

*** X SHIPPING AND REGULATORY CLASSIFICATION DATA ***

NET SHIPPING NAME: NA
NET HAZARD CLASS: NA
NET LABELS(S): NA
I/NA NUMBER: NA
CARDS:
NONE
PORT:

HAZARD WASTE: NA
RA HAZARD CLASS:
TO BE DETERMINED
MIS HAZARD CLASS:
D2B TOXIC MATERIALS
SC CLASSIFICATION: NA
TRANSPORTATION CLASS: NA

RID (OCTI) NA
ADR (ECE) NA
RAR (IATA) NA
PA/HMS CLASSIFICATION FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

SCHEDULE B:
3910.00.10001
CN:
6899G

ADDITIONAL INFORMATION:
THIS PRODUCT OR ITS COMPONENTS ARE ON THE EUROPEAN INVENTORY OF
EXISTING COMMERCIAL CHEMICALS (EINECS).....
.....
THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT
AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR
IMPLIED, IS MADE. THE RECOMMENDED HANDLING PROCEDURES ARE

MATERIAL SAFETY DATA SHEET
COPYRIGHT GENERAL ELECTRIC CO.

PAGE:
GE281

6

BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE.....

.....
THIS PRODUCT OR ITS COMPONENTS ARE ON THE AUSTRALIAN INVENTORY (ACOIN).....

- | | |
|---|-----------------------|
| C = CEILING LIMIT | NEGL = NEGLIGIBLE |
| EST= ESTIMATED | NF = NONE FOUND |
| NA = NOT APPLICABLE | UNKN = UNKNOWN |
| NE = NONE ESTABLISHED | REC = RECOMMENDED |
| ND = NONE DETERMINED | V = RECOMM. BY VENDOR |
| BY-PRODUCT = REACTION BY-PRODUCT, TSCA INVENTORY | SRN = SKIN |
| STATUS NOT REQUIRED UNDER 40 CFR PART 720.30(H-2) | TS = TRADE SECRET |
| STEL = SHORT TERM EXPOSURE LIMIT | R = RECOMMENDED |
| | MST = MIST |
-

300205 - Clear



THE NORAC COMPANY, INC.
AZUSA, CA

MATERIAL SAFETY DATA SHEET

3,2,2 B

MSDS
Reference
mekp9h.doc

Print Date
06/17/96

NOROX® MEKP-9H

SECTION I - GENERAL INFORMATION

MANUFACTURER	The Norac Company, Inc.	EMERGENCY TELEPHONE	(818) 334-2908
ADDRESS	405 S. Motor Ave., Azusa, CA 91702	CHEMTREC	1-800-424-9300
PRODUCT NAME	Norox® MEKP-9H	CAS NO.	See Section II
CHEMICAL NAME	Methyl Ethyl Ketone Peroxide (MEKP)	FORMULA	Mixture of many.
CHEMICAL FAMILY	Organic Peroxide		

SECTION II - HAZARDOUS INGREDIENTS

COMPONENTS	CAS NO.	%	HAZARD DATA
Methyl Ethyl Ketone Peroxide	1338-23-4	34	Oral-Rat LD ₅₀ : 484 mg/kg
Dimethyl Phthalate	131-11-3	43	Oral-Rat LD ₅₀ : 6900 mg/kg
Proprietary Phlegmatizer		20	Oral-Rat LD ₅₀ : >3200 mg/kg
Hydrogen Peroxide	7722-84-1	01	Oral-Skin LD ₅₀ : 4060 mg/kg
Methyl Ethyl Katone	78-93-3	02	Oral-Rat LD ₅₀ : 2737 mg/kg

SECTION III - PHYSICAL DATA

BOILING POINT °F	Unknown	SPECIFIC GRAVITY (Water=1)	1.1
VAPOR PRESSURE mm Hg.	Unknown	% VOLATILE BY VOLUME	Unknown
VAPOR DENSITY (Air=1)	> 1	EVAPORATION RATE	Unknown
SOLUBILITY IN WATER	Slight		
APPEARANCE AND ODOR	Water white liquid with a slight odor.		

SECTION IV - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 1.5 mg/m³ For Methyl Ethyl Ketone Peroxides

ROUTES OF EXPOSURE

- Skin Absorption**
- Eye Contact**
- Ingestion**

EFFECTS OF OVER-EXPOSURE

Severe skin irritant, causes redness, blistering, and edema.
 Eye contact causes severe corrosion and may cause blindness.
 Human systemic effects by ingestion: changes in structure or function of esophagus, nausea, or vomiting, and other gastrointestinal effects.
 Moderately toxic by inhalation.
 Prolonged inhalation of vapors may cause mucous membrane irritation and vertigo.
 There are no known medical conditions which are recognized as being aggravated by exposure.

EMERGENCY AND FIRST AID PROCEDURES

Skin	Wash contaminated area thoroughly with soap and water.
Eyes	Flush eyes with water for 30 minutes and seek medical attention.
Ingestion	Take large quantities of milk or water and immediately call a physician. For aid to physician, suggest Poison Control Center (213) 222-8086.

SECTION V - REACTIVITY DATA

INCOMPATIBILITY (Materials to avoid) Dimethylaniline, cobalt naphthenate and other promoters, accelerators, reducing agents, or any hot material.

STABILITY Stable when kept in original, closed container, out of direct sunlight at temperatures below 80°F.

HAZARDOUS DECOMPOSITION PRODUCTS Acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION Will not occur.

SECTION VI - SPECIAL PRECAUTION INFORMATION

RESPIRATORY PROTECTION	None
VENTILATION	Mechanical, general.

Norox[®] MEKP-9H

HAZARD IDENTIFICATION

Health

3

Flammability

2

Reactivity

2



ORGANIC PEROXIDE TYPE D, LIQUID
(METHYL ETHYL KETONE PEROXIDE, $\leq 45\%$)
CLASS 5.2, UN3105, PG II, RQ

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Identity: LW 0800 LOKWELD CONTACT ADHESIVES - 800 & 801
 SDS ID: 757

NFPA: Health? 2 Fire? 3 Reactivity? 0 Special Hazard?
 HMIS: Health? 1 Fire? 3 Reactivity? 1 Personal Protection?

SECTION I

Chemical Name:
 MSDS Source: RALPH WILSON PLASTICS / CAS: ----N/A----
 Address: 10601 NW HK DODGEN LOOP TEMPLE, TX 76504
 Emergency Phone: (800)424-9300 Information Phone: (817)778-2511
 Synonyms: LOKWELD 800 CONTACT ADHESIVE
 LOKWELD 801 CONTACT ADHESIVE

SECTION II - INGREDIENTS

CAS	Ingredient Name/Chemical Identity	Low %	High %
67-64-1	ACETONE OSHA PEL: 1780 P ACGIH TLV: 750 OTHER LISTS: EPA, OSHA, ACGIH	26.50	26.50
67-56-1	METHANOL OSHA PEL: 200 P ACGIH TLV: 200 OTHER LISTS: EPA, OSHA, ACGIH	2.50	2.50
108-88-3	TOLUENE OSHA PEL: 50 P ACGIH TLV: 50 OTHER LISTS: EPA, OSHA, ACGIH	13.00	13.00
110-54-3	N-HEXANE OSHA PEL: 50 P ACGIH TLV: 50 OTHER LISTS: OSHA, ACGIH	19.20	19.20
----N/A----	ISOMERS OF HEXANE OSHA PEL: 500 P ACGIH TLV: 500	19.20	19.20

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Material Type: LIQUID PH: UNKNOWN
 Spec Gravity (H2O=1): 0.822 Boil Pt: 132 F Melt Pt: F
 Vapor Pressure: 185 MM Hg Evap Rate: 7.7
 Volatile by Vol: Vapor Density: N/A (Air=1)
 Soluble in Water: Y Solubility: ...
 Appearance & Odor, Water Solubility:
 APPEARANCE: Viscous liquid, strong ketone odor.
 SOLUBILITY IN WATER: Particallly soluble.
 VAPOR PRESSURE: 185 @ 25 C.
 DENSITY: 6.4 lbs/gal.
 VISCOSITY: 200 cps at 17.5 sec. +/- 2.0
 V.O.C.: 5.2 lbs/gal.
 621.6 gr/liter.

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Pt: 16 F (Pensky-Martens) Explosive Limits: LEL= 2.0 UEL=13.0 %
 Flammable: Y Combustible Liquid: Autoignition Temp:
 Extinguishing Media:
 CO2, foam, sand, dry chemical (ABC or BC).

Identity: LW 0800 LOKWELD CONTACT ADHESIVES - 800 & 801
 SDS ID: 757

SECTION IV - FIRE AND EXPLOSION HAZARDS

Extinguishing Media:

Special Fire Fighting Procedures:

All solvents are flammable.

Unusual Fire/Explosion Hazards:

May produce HCl when burned.

SECTION V - REACTIVITY DATA

Unstable: N

Hazardous Polymerization May Occur: N

Stability-Conditions to Avoid:

Stable. Avoid sparks and open flames.

Incompatibility-Conditions to Avoid:

None known.

Hazardous Decomposition or Byproducts:

May produce HCl, carbon monoxide and carbon dioxide when burned.

Polymerization-Conditions to Avoid:

Will not occur.

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? Y Skin? Y Ingestion? Y

Carcinogenicity: NTP? N IARC? N OSHA Regulated? N

Exposure Limits: OSHA TWA? ACGIH TLV?

Health Hazards (Acute & Chronic):

HEALTH HAZARDS ASSOCIATED WITH OVEREXPOSURES TO SOLVENTS

ACETONE: Toxic by ingestion. Severe eye irritant. Skin irritant.

Respiratory tract irritant. Narcotic. Conjunctiva irritant.

Metabolic changes. Kidney damage.

TOLUENE: Poisonous by intraperitoneal route. Toxic by inhalation.

Toxic by intravenous and subcutaneous routes. Severe eye

irritant. Skin irritant. Respiratory tract irritant. Central

Nervous System effects. Narcotic. Distal paresthesia. Liver

effects. Psychophysiological test changes. Antipsychotic,

Bone marrow changes. Motor activity changes. Cardiac sensitizer.

n-HEXANE: Toxic by inhalation and ingestion. Eye and skin irritant.

Intestinal and respiratory tract irritant. Effects Central

Nervous System. Aspiration hazard. Anorexia. Anesthetic.

Narcotic. May cause motor polyneuropathy, distal paresthesia, and

chemical pneumonia.

Changes in the structure in the nerve or nerve sheath.

METHANOL: Poisonous by ingestion and skin absorption. Toxic by

inhalation, intravenous and intraperitoneal routes. Eye, skin,

and mucous membrane irritant. Respiratory tract irritant.

Changes in circulation and optic nerve neuropathy have also been

linked with overexposure to methanol. Liver effects.

Signs or Symptoms of Exposure:

SYMPTOMS OF OVEREXPOSURE TO SOLVENTS

Identity: LW 0800 LOKWELD CONTACT ADHESIVES - 800 & 801
SDS ID: 757

~~SECTION VI - HEALTH HAZARD DATA~~

Signs or Symptoms of Exposure:

ACETONE: Eye and skin irritation. Respiratory tract irritation. Headache, nausea, vomiting. Drowsiness, muscle weakness. Defatting of the skin.

TOLUENE: Eye and skin irritation. Respiratory tract irritation. Headache. Unsteady gait, dizziness (vertigo), hallucinations, hilarity, distorted perceptions. Nausea, loss of appetite. Drowsiness, lassitude, collapse. Blurred vision, lacrimation (tearing). Dermatitis, defatting of the skin, drying and itching of the skin. Metallic taste in the mouth. Prolonged exposures at high concentrations may result in coma or death.

n-HEXANE: Eye and skin irritation. Intestinal and respiratory tract irritation. Headache, dizziness, lightheadedness, giddiness, hallucinations, euphoria. Nausea, loss of appetite. Drowsiness, fatigue, muscle weakness. Numbness and cold pulsation in the extremities. Blurred vision, lacrimation (tearing). Dermatitis.

METHANOL: Eye, skin, respiratory tract, and mucous membrane irritation. Headache, unsteady gait, dizziness (vertigo), nausea, colic, vomiting. Shortness of breath, cough. Fatigue, trembling/tremors. Double vision (diplopia), blurred vision, involuntary eye movements, lacrimation (tearing), dilated pupils. Roaring in the ears. Insomnia. Dermatitis, drying and itching of the skin, eczema.

Medical Conditions Aggravated by Exposure:

Unknown.

Emergency & First Aid Procedures:

INHALATION: Remove victim to fresh air. If victim is not breathing, CPR should be started by qualified personnel. If victim is having difficulty breathing, administer oxygen. Seek immediate medical help. [Use appropriate respiratory protection when necessary.]

INGESTION: Although not an expected route of entry, if ingested, call a physician immediately. DO NOT INDUCE VOMITING.

SKIN: Wash thoroughly with soap or a mild detergent. If irritation occurs, obtain medical help.

EYES: Immediately flush eyes with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get prompt medical attention.

~~SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE~~

Steps to Take for Material Release or Spill:

Spill should be cleaned up immediately. Soak up spill with absorbent material or wipe up with rags. Absorbent material or rags should be put into closed container.

Waste Disposal Methods:

Spilled, contaminated or waste material should be put into a suitable container and handled according to local, state and federal regulations. Incineration is recommended. Contact a qualified waste management company in your area for assistance. Liquid or vapor-laden

Identity: LW 0800 LOKWELD CONTACT ADHESIVES - 800 & 801
SDS ID: 757

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Waste Disposal Methods:

waste is usually ignitable.

RCRA Waste Code: D001

Precautions in Handling & Storage:

Avoid contact with eyes, or skin. Avoid breathing vapors.

Store and use only in well-ventilated areas.

Other Precautions:

All electrical equipment in the area should be explosion-proof.

SECTION VIII - CONTROL MEASURES

Protection: Gloves? Y Eye? Y Respirator? Spec'l Clothes? N

Ventilation Comment:

Local exhaust ventilation recommended (i.e. spray booth), or good general room ventilation, to maintain exposures below PEL/TLV of ingredients.

Protective Equipment/Clothing Comment:

RESPIRATORY PROTECTION: Use NIOSH approved full-face organic vapor cartridge respirator if ventilation does not reduce or control vapor concentration. Do not use in oxygen deficient atmosphere.

PROTECTIVE GLOVES: Neoprene suggested.

EYE PROTECTION: Safety glasses with side shields or splash goggles.

OTHER PROTECTIVE CLOTHING: Clothing sufficient to prevent liquid contact with the skin.

Work or Hygienic Practices:

Apply good housekeeping and working procedures.

ADDITIONAL INFORMATION:

This product may contain one or more of the following chemicals subject to the reporting requirements of SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA) AND 40CFR PART 372:

CAS NO.	CHEMICAL NAME
67-64-1	ACETONE
67-56-1	METHANOL
108-88-3	TOLUENE

Please compare these chemicals with SECTION II - INGREDIENTS of this Material Safety Data Sheet.

WARNING: This product contains toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.

D.O.T. SHIPPING INFORMATION: Adhesives, 3, UN1133, PG II

THE DATA CONTAINED IN THIS MSDS AND RECOMMENDATIONS PRESENTED HEREIN ARE BASED UPON INFORMATION CONSIDERED TO BE ACCURATE, AS OF THIS DATE. HOWEVER, RALPH WILSON PLASTICS CO. MAKES NO GUARANTEE OR WARRANTY, EITHER EXPRESSED OR IMPLIED, OF THE COMPLETENESS OF THIS DATA AND

Identity: LW 0800 LOKWELD CONTACT ADHESIVES - 800 & 801
 SDS ID: 757

SECTION VIII - CONTROL MEASURES

Work or Hygienic Practices:
 RECOMMENDATIONS, AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE
 OF THIS INFORMATION.

OPTIONAL INFORMATION

DOT Class: 3, FLAMMABLE LIQUID		"UN" or "NA" Number: UN1133	
Byproduct of Other Operation?		Material Requires Special Training?	
EPA Haz List?	EPA 313 List?	CERCLA List?	RCRA (Waste) List?
On Local List?	State List?	OSHA Z List?	On ACGIH List?
Highly Toxic? N	Toxic?	Irritant? Y	Corrosive to Tissue? N
Sensitizer? N	Teratogenic? N	Mutagenic? N	Reproductive Toxin? N
Hepatotoxin?	Nephrotoxin?	Neurotoxin? Y	Hematopoietic? N
Affect Lungs? Y	Affect Skin? Y	Affect Eyes? Y	Affect Mucous Membrane? Y
Other Organs? N	Acute or Rapid Occur Effect? Y	Chronic/Long Effect? Y	
Compress Gas? N	Oxidizer? N	Explosive? N	Organic Peroxide? N
React w/H2O to form Hazard Gas? N		Create Hazardous Byproducts? Y	
SARA HAZARD: React? ?	Sudden Release? N	Acute? Y	Chronic? Y
Convert to LBS: 6.84479	User Class:	Fire? Y	Last Update: 06/27/94

LOKWELD.

BRAND ADHESIVES

RALPH WILSON PLASTICS CO.
7601 NW H.K. DODGEN LOOP 383
O. BOX 6110
TEMPLE, TX 76503-6110
(817) 778-2511
FAX (817) 770-6769

Facsimile Cover Sheet

To: Selina
Company: CHWP
Phone: _____
Fax: (407) 259-4165

From: John Aeb
Company: **RALPH WILSON PLASTICS,
ADHESIVE DIVISION**

Fax: (817) 770-6769

Date: 2/8/95

Number of pages
including cover page: 6

Comments:



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Handwritten: # 352443 25-118 PD

IDENTITY (As Used on Label and List)
STAR BRUTE SILICONE SEALANT

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I Product #82101, 82102, 82103, 82121, 82122, 82123, 82155, 82158, 82167, 82178

Manufacturer's Name
STAR BRUTE

Emergency Telephone Number 82159, 82164, 82165
(800) 424-9300

Address (Number, Street, City, State, and ZIP Code)
4041 S.W. 47 Avenue

Telephone Number for Information
(305) 587-6280

Ft. Lauderdale, FL 33314

Date Prepared
September 30, 1994

Signature of Preparer (optional)
Jeff Tieger

Section II - Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Methyltriacetoxysilane CAS No. 004253343				2
Ethyltriacetoxysilane CAS No. 017689779				2
Silica CAS No. 007631869			TLV 10 MG/M3	9
NON HAZARDOUS INGREDIENT: Polydimethylsiloxane				85

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.04
Vapor Pressure (mm Hg.)	<5 mm	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (ether. 1)	<1
Solubility in Water	<0.12	V.O.C.	<5%
Appearance and Odor	Acetic acid-like paste		

Handwritten: 8.68 #/g

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) >212°F/100°C Open cup	Flammable Limits Not determined	LEL	UEL
--	------------------------------------	-----	-----

Extinguishing Media
Water, water fog, CO₂, dry chemical, foam

Special Fire Fighting Procedures
Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Usual Fire and Explosion Hazards
None known.

Stability	Unstable		Conditions to Avoid Air or moisture causes polymerization and acetic acid vapors are formed.
	Stable	XX	

Compatibility (Materials to Avoid)
No reacting material can cause a reaction.

Decomposition or Byproducts
Carbon dioxide, carbon dioxide, and traces of incompletely burned carbon products.

Hazardous Polymerization	May Occur		Conditions to Avoid None.
	Will Not Occur	XX	

Section VI -- Health Hazard Data

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic)
None known

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure
INGESTION: May cause stomach discomfort. SKIN CONTACT: Uncured product may irritate lips, gums, tongue, and skin. EYE CONTACT: Uncured product contact irritates eyes.

Medical Conditions
Generally Aggravated by Exposure NONE KNOWN

Emergency and First Aid Procedures
EYES: Flush with water for 15 minutes. Obtain medical attention. SKIN: Wipe off and flush with water.

INHALATION: Remove to fresh air. Obtain medical attention. ORAL: Obtain medical attention.

Section VII -- Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Remove product and use absorbent material to take care of any oil-like residues.

Waste Disposal Method
Review all local, state, and federal regulations concerning health and pollution to determine approved disposal method.

Precautions to Be Taken in Handling and Storing
Store below 90°F. Use reasonable care and caution.

Other Precautions
None known.

Section VIII -- Control Measures

Respiratory Protection (Specify Type)
Acid gas/organic vapor type.

Ventilation	Local Exhaust None	Special N/A
	Mechanical (General) None	Other N/A

Protective Gloves
Use chemical workers gloves.

Eye Protection
Use proper eye protection, safety glasses as minimum.

Other Protective Clothing or Equipment
None

Hygienic Practices
Gross amounts of material should be removed from the skin as soon as practical, especially before eating or smoking.

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 (612) 733-1110

03-39
 2851

Duns No.: 00-617-3082

MATERIAL SAFETY
 DATA SHEET



MSDS: FINESSE-IT FINISHING MATERIAL PN 051144-13084, 051131-05923 Page 2

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 (612) 733-1110

03-39
 2850 195-35

m R + B w

~~+80-655-~~

Duns No.: 00-617-3082

353482

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
 TRADE NAME: FINESSE-IT FINISHING MATERIAL PN
 051144-13084, 051131-05923
 3M I.D. NUMBER: 60-9800-0952-0 60-9800-1003-1
 ISSUED: SEPTEMBER 10, 1987
 SUPERSEDES: APRIL 22, 1987
 DOCUMENT: 10-2857-0

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
ALIPHATIC HYDROCARBONS	8052-41-3	15.0- 25.0	100 PPM
WATER	7732-18-5	40.0- 55.0	N/D
ALUMINUM OXIDE	68389-42-4	3.0- 8.0	10 MG/M3
MINERAL OIL	8042-47-5	5.0- 15.0	N/D
FATTY ACID ESTER OF ETHYLENE GLYCOL	106-17-2	1.0- 6.0	N/D
AQUEOUS ALKALI SOLUBLE ACRYLIC POLYMER EMULSION	9003-01-4	1.0- 6.0	N/D
SOLUTION OF HIGH MOL. WT. UNSATURATED POLYCARBOXYLIC ACID ESTER	78-83-1	1.0- 6.0	50 PPM

- SOURCE OF EXPOSURE LIMIT DATA
1. ACGIH THRESHOLD LIMIT VALUES
 2. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT
 3. 3M EXPOSURE GUIDELINES
 4. CHEMICAL MANUFACTURER RECOMMENDED GUIDELINES
 5. NONE ESTABLISHED

ABBREVIATIONS
 N/D - NOT DETERMINED
 N/A - NOT APPLICABLE

2. PHYSICAL DATA

BOILING POINT: 212 F
 VAPOR PRESSURE: N/D
 VAPOR DENSITY (AIR=1): 1
 EVAPORATION RATE (ETHER = 1): 4.4
 SOLUBILITY IN WATER: DILUTABLE
 SP. GRAVITY (WATER=1): 0.96-0.99
 PERCENT VOLATILE: 70
 VISCOSITY: 7.5K-16.5K CPS
 pH: 8.4-9.2
 APPEARANCE AND ODOR: WHITE CREAMY PASTE

289.58 g/e 100
2.42 #/g
29790

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

03-39
2852

Duns No.: 00-617-3082

MATERIAL SAFETY
DATA SHEET



MSDS: FINESSE-IT FINISHING MATERIAL PN 051144-13084, 051131-05923Page 3
SEPTEMBER 10, 1987

=====

6. SUGGESTED FIRST AID

=====

EYE CONTACT:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER. CALL A PHYSICIAN IF
IRRITATION PERSISTS.

SKIN CONTACT:
WASH WITH SOAP AND WATER.

INHALATION:
PROVIDE FRESH AIR. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

IF SWALLOWED:
DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

=====

7. PRECAUTIONARY INFORMATION

=====

KEEP AWAY FROM SOURCES OF IGNITION. USE ONLY IN ADEQUATELY
VENTILATED AREAS TO KEEP VAPOR CONCENTRATIONS BELOW THE RECOMMENDED
EXPOSURE LIMITS. AVOID EYE CONTACT. AVOID EXCESSIVE INHALATION OF
VAPOR OR DUST. AVOID PROLONGED SKIN CONTACT. KEEP CONTAINER CLOSED
WHEN NOT IN USE AND OUT OF THE REACH OF CHILDREN.

3M General Offices
3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

03-39
2853

Duns No.: 00-617-3082

**MATERIAL SAFETY
DATA SHEET**



MSDS: FINESSE-IT FINISHING MATERIAL PN 051144-13084, 051131-05923Page 4
SEPTEMBER 10, 1987

=====
8. HEALTH HAZARD DATA
=====

EYE CONTACT: LIQUID OR VAPOR MAY BE IRRITATING TO EYES.

SKIN CONTACT: PROLONGED SKIN CONTACT MAY DEFAT SKIN LEADING TO IRRITATION AND DERMATITIS.

INHALATION: VAPOR OVEREXPOSURE MAY CAUSE RESPIRATORY SYSTEM IRRITATION AND TEMPORARY NERVOUS SYSTEM IMPAIRMENT. SYMPTOMS OF REPEATED OVEREXPOSURE MAY INCLUDE DIZZINESS, HEADACHE, NAUSEA, AND LOSS OF COORDINATION.

INGESTION: SOLVENT ASPIRATION INTO THE LUNG MAY CAUSE LUNG DAMAGE OR DEATH. MAY CAUSE DIGESTIVE SYSTEM IRRITATION WITH NAUSEA, VOMITING AND DIARRHEA.

G VOC/L: 289.58 G VOC/(L-VW-VES): 489.14

=====
The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.
=====

MRF # 431145

LILLY

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS, AND RELATED MATERIALS

Date of Preparation- 02-19-97
Prepared by- Len Fulman
Manufacturer: LILLY INDUSTRIES, INC.
Address : 210 E. Alondra Boulevard
Gardena, CA 90248

Telephone†: (310) 352-3087 Night: (310) 352-3087
Emergency†: (310) 352-3087 Night: (800) 424-9300

SECTION I PRODUCT IDENTIFICATION

Manufacturer's Code Identification: 803X1
Product Class: GEL COAT ADDITIVE
Trade Name: WEBBING SOLUTION 03-X1

HMS Information: Health- 2* Flammability- 3
Reactivity- 1 Personal Protective Equipment- X
HAZARD INDEX: 4= Severe 3= Serious 2= Moderate 1= Slight 0= Least
* = Chronic health hazard

Ask your supervisor for specialized handling directions.

SECTION II HAZARDOUS INGREDIENTS

TONE

01
% BY WT: 85.000 VAPOR PRESSURE: 180.00 MMHG @ 20C CAS# 67-64-1

EXPOSURE LIMIT

ACGIH TLV (TWA) 750.00 PPM
OSHA PEL (TWA) 750.00 PPM
ACGIH STEL 1000.00 PPM
OSHA STEL 1000.00 PPM

SECTION III PHYSICAL DATA

Boiling Range: High- Low- N/A
Vapor Pressure: See Section II
Vapor Density: Heavier Than Air
Evaporation Rate: Faster than Butyl Acetate
Weight per Gallon: 6.95
% Volatile by Weight: N/A
Appearance: N/A
pH: N/A



LILLY

MATERIAL SAFETY DATA SHEET

Page 5

803X1

WEBBING SOLUTION 03-X1

given in this sheet must be observed.

SECTION X Section 313 Toxic Chemicals

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED
FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND
IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN
AS A WARRANTY OR REPRESENTATION FOR WHICH LILLY INDUSTRIES,
INC. ASSUMES LEGAL RESPONSIBILITY.

SEE DISCLAIMER ON REVERSE SIDE

15-120-0162982
440230

3090 MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME: HARYN-SHORE AUTOMOTIVE SALES
2422 Wabasha Road
Countryville, Illinois 60925
DATE OF PREPARATION: 8-Feb-88
EMERGENCY TELEPHONE NO.: (315) 565-2917
INFORMATION TELEPHONE NO.: (315) 565-2993

Section I -- PRODUCT IDENTIFICATION

PRODUCT NUMBER: 3090
PRODUCT NAME: Combination Acrylic Lacquer Thinner
PRODUCT CLASS: Solvent

Section II -- HAZARDOUS INGREDIENTS

Table with 5 columns: CAS No., Synonyms, % by Weight, OSHA-MSD, and OSHA-PPE. Lists ingredients like Methyl Ethyl Ketone, Methyl Isobutyl Ketone, and Toluene with their respective percentages and hazard levels.

Section III -- PHYSICAL DATA

EVAPORATION RATE: Slower than Ethyl Acetate
BOILING RANGE: 122-169 F
FLASH POINT: 100.0 F
VAPOR DENSITY: Heavier than Air (Theoretical) 4.72 lb. 6.71 lb. 884 gm.

Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: PLASMA POINT 10 F TCC LEL 0.7
RD LABEL: Flammable, Flash below 100 F
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS: Gas containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames.

3090 Combination Acrylic Lacquer Thinner Page 2
Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE: Inhalation and/or skin or eye contact.
EFFECTS OF OVEREXPOSURE: Irritation of eyes, skin and respiratory system. May cause nervous system depression.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.
FIRST AID PROCEDURES: If INHALED: Remove from exposure. Breathe fresh air. If on SKIN: Wash affected area thoroughly with soap and water.

Section VI -- REACTIVITY DATA

STABILITY: Stable
HAZARDOUS DECOMPOSITION PRODUCTS: By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION: Will Not Occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate and remove with inert absorbent.
WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 361.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes.

Continued on page 1

Continued on page 1

3090 Combination Acrylic Lacquer Thinner Page 3

VENTILATION: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits.
RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

Section IX -- PRECAUTIONS

DO NOT STORE IN CARBOXY -- IS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Containers are FLAMMABLE. Keep away from heat, sparks, and open flames.
OTHER PRECAUTIONS: Intentional abuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

HMS

Table with 2 columns: Hazard Category and Rating. HEALTH: 2, FLAMMABILITY: 3, REACTIVITY: 0.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of solvents or other additives to this product may substantially alter the composition and hazards of the product.



MATERIAL SAFETY DATA SHEET

FOR COATING, RESINS, AND RELATED MATERIALS

Date of Preparation- 09-10-96
Prepared by- R. Smothers
Manufacturer: LILLY INDUSTRIES, INC.
Address : 2355 Southwest 66th Terrace
Davie, Florida 33317

556944

Telephone#: (305) 475-0150 Night: (305) 475-0150
Emergency#: (305) 475-0150 Night: (800) 424-9300

SECTION I PRODUCT IDENTIFICATION

Manufacturer's Code Identification: 766W30194
Product Class: POLYESTER GEL KOTE
Trade Name: ANTIQUE WHITE NEO GEL KOTE (766W30194)

HMTS Information: Health- 2* Flammability- 3
Reactivity- 2 Personal Protective Equipment- X
HAZARD INDEX: 4= Severe 3= Serious 2= Moderate 1= Slight 0= Least
*= Chronic health hazard

Ask your supervisor for specialized handling directions.

SECTION II HAZARDOUS INGREDIENTS

METHYL METHACRYLATE

01 CAS# 80-62-6
% BY WT: 4.000 VAPOR PRESSURE: 29.00 MMHG @ 20C

EXPOSURE LIMIT
ACGIH TLV (TWA) 100.00 PPM
OSHA PEL (TWA) 100.00 PPM

STYRENE MONOMER

02 CAS# 100-42-5
% BY WT: 33.596 VAPOR PRESSURE: 9.50 MMHG @ 20C

EXPOSURE LIMIT
ACGIH TLV (TWA) 50.00 PPM
OSHA PEL (TWA) 100.00 PPM
Carcinogen 2B, IARC

SEE DISCLAIMER ON REVERSE SIDE

MATERIAL SAFETY DATA SHEET

Page 2

766W30194

ANTIQUÉ WHITE NED GEL KOTE (766W30194)

 This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

SECTION III PHYSICAL DATA

 Boiling Range: High- 261.0 F Low- 214.0 F
 Vapor Pressure: See Section II
 Vapor Density: Heavier Than Air
 Evaporation Rate: Equal to Butyl Acetate
 Weight per Gallon: 10.59
 % Volatile by Weight: 37.46
 Appearance: N/A
 pH: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

 Flammability Classification: Class 1C
 Actual Flashpoint ICC: 88.0 F
 Explosion Level: Lower- 1.1 Upper- 12.5
 Lower flammability Limit: N/A

HEAT PROTECTION PROCEDURES

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture.

EXTINGUISHING MEDIA

Use CO₂, Dry Chemical, or Foam extinguisher.

The National Fire Protection Association Class B extinguisher is designed to extinguish fires originating from burning liquids.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARD:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively.

SEE DISCLAIMER ON REVERSE SIDE

MATERIAL SAFETY DATA SHEET

766W30194

Page 3

ANTIQUÉ WHITE NEO GEL KOTE (766W30194)

SECTION V HEALTH HAZARD DATA

Based on the presence of components (02) this product may cause corneal injury.

Based on the presence of components (02) this product may cause drying and dermatitis on repeated or prolonged exposure to the skin.

Based on the presence of components (02) this product may cause skin irritation.

Based on the presence of components (01) this product may cause skin burns.

Based on the presence of components (02) this product is presumed to be moderately toxic

FIRST AID

EYE CONTACT: Flush with luke warm water for 15 minutes. Contact a physician immediately.

SKIN CONTACT: Flush wash with copious amounts of luke warm water. Remove contaminated clothing promptly. Contact a physician immediately.

INHALATION: Remove exposed individual to fresh air. Restore breathing if required. Contact a physician immediately.

INGESTION: Rinse mouth immediately. Give exposed individual 6 to 8 ounces of liquid. (Never give anything by mouth to an unconscious person.) Do NOT induce vomiting unless advised by a physician. Contact a physician immediately.

SECTION VI REACTIVITY DATA

CONDITIONS TO AVOID

Avoid exposure to sparks, open flame, hot surfaces, and all sources of heat and ignition.

May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide, carbon dioxide, and oxides of nitrogen.

INCOMPATIBILITY (Materials to Avoid)

Based on the presence of components (02) this product is incompatible with strong mineral acids, peroxides, and polymerization catalysts.

This product is incompatible with strong acids.

HAZARDOUS POLYMERIZATION

May occur.

STABILITY

This product is stable.

SEE DISCLAIMER ON REVERSE SIDE

MATERIAL SAFETY DATA SHEET

766W30194

Page 4

ANTIQUE WHITE NEO GEL KOTE (766W30194)

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for cleanup. Cover with inert material to reduce fumes. Keep out of drains, sewers, or waterways. Contact fire authorities. Notify local health and pollution control agencies. Call spill response teams if large spill.

WASTE DISPOSAL METHOD

DO NOT FLUSH TO SEWER, WATERSHED, OR WATERWAY.

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers.

SECTION VIII SAFE HANDLING AND USE INFORMATION

PROTECTIVE EYEWEAR

Avoid contact with eyes. Wear goggles if there is a likelihood of contact with eyes. Eyewash stations and safety showers should be readily available in handling areas.

Use safety eyewear with perforated sideshields.

RESPIRATORY PROTECTION

In outdoor or open areas use (NIOSH/MSHA approved) mechanical filter respirator to remove solid airborne particles of overspray during spray application. In restricted ventilation areas use (NIOSH/MSHA approved) chemical-mechanical filters designed to remove a combination of particulate and gas and vapor. In confined areas use (NIOSH/MSHA approved) air line type respirators or hoods. Respiratory protection may also be necessary in any later manufacturing operations in which the product may become airborne in the form of vapor or dust.

VENTILATION

Use ventilation as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use a NIOSH-approved respirator to prevent overexposure.

Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of the most hazardous ingredient in Section II below acceptable limit, PEL in Section IV below stated limit, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

DISCRETION ADVISED

Lilly Industries, Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information given should be used with discretion.

PROTECTIVE GLOVES

Required for prolonged or repeated contact. Wear resistant gloves such as

SEE DISCLAIMER ON REVERSE SIDE



MATERIAL SAFETY DATA SHEET

766W30194

Page 5

ANTIQUE WHITE NEO GEL KOTE (766W30194)

natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

HYGIENIC PRACTICES

Wash hands thoroughly before eating and using washroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

SECTION IX SPECIAL PRECAUTIONS

HANDLING AND STORING PRECAUTIONS

Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Do NOT smoke in storage areas.

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this sheet must be observed.

SECTION X Section 313 Toxic Chemicals

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material. (* Denotes percent parent metal contained in the preceding chemical compound)

Table with 3 columns: Chemical, CAS Number, Weight %. Rows include METHYL METHACRYLATE (80-62-6, 4.000) and STYRENE MONOMER (100-42-5, 33.596).

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH LILLY INDUSTRIES, INC. ASSUMES LEGAL RESPONSIBILITY.

SEE DISCLAIMER ON REVERSE SIDE

10-110-0581975

JAN 23 1991

MATERIAL SAFETY DATA SHEET



The information contained herein is based on data available at the time of preparation of this data sheet and which The Glidden Company believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. The Glidden Company shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.

925 EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-545-2643
The Glidden Company is a member of the ICI Paints World Group

I 0009 0125105 767 E15100 PAGE 1

SECTION I

CODE IDENTIFICATION 767 E15100 DATE PRINTED 01/25/91
PRODUCT IDENTIFICATION CREAMY POLYESTER PUTTY

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME	SILICA-AMORPHOUS FUMED	WT.%	1-5
COMMON NAME	AMORPHOUS FUMED SILICA	SARA	NO
CAS NUMBER	112945-52-5	CERCLA	NO
CARCINOGENICITY LISTED BY	NTP NO	OSHA	NO
ACGIH TWA	5 MG/M3		
ACGIH STEL	NOT EST.		
OSHA SKIN	CEILING		

CHEMICAL NAME	TALC	WT.%	40-50
COMMON NAME	TALC	SARA	NO
CAS NUMBER	14807-96-6	CERCLA	NO
CARCINOGENICITY LISTED BY	NTP NO	OSHA	NO
ACGIH TWA	2 MG/M3		
ACGIH STEL	NOT EST.		
OSHA SKIN	CEILING		

CHEMICAL NAME	DENZENE, ETHENYL-	WT.%	10-20
COMMON NAME	STYRENE	SARA	**
CAS NUMBER	100-42-5	CERCLA	***
CARCINOGENICITY LISTED BY	NTP NO	OSHA	NO
ACGIH TWA	50 PPM		
ACGIH STEL	NOT EST.		
OSHA SKIN	CEILING		

** THIS CHEMICAL IS SUBJECT TO SARA 313 REPORTING REQUIREMENTS 40 CFR PART 372.
*** THIS CHEMICAL IS A HAZARDOUS SUBSTANCE AS DEFINED BY CERCLA 40 CFR PART 302.4.

SECTION II-B - OTHER INGREDIENTS

CHEMICAL NAME	POLYESTER RESIN	WT.%	30-40
COMMON NAME	POLYESTER RESIN		
CAS NUMBER	SUPPLIER CONF		

SECTION III - PHYSICAL DATA

VAPOR PRESSURE	NOT DETERMINED	SPECIFIC GRAVITY	1.524
BOILING RANGE	293 - 293 F	WEIGHT PER GALLON	13.27
EVOLATILE BY VOLUME	26.76		
PHYSICAL STATE	PASTE	COLOR	GREY
SOLUBILITY IN WATER	NOT DETERMINED	PH	NOT DETERMINED

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT SETA	92 F	LOWER EXPLOSIVE LIMIT	1.1
		UPPER EXPLOSIVE LIMIT	NOT DETERMINED

EXTINGUISHING MEDIA DRY CHEMICAL SAND OR GROUND LIMESTONE, WATER, FOG, OR FOAM.



MATERIAL SAFETY DATA SHEET

Glidden

The Glidden Company

925 EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-545-2643

The Glidden Company is a member of the ICI Paints World Group

The information contained herein is based on data available at the time of preparation of this data sheet and which The Glidden Company believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. The Glidden Company shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.

767 E15100

PAGE 2

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UNUSUAL FIRE AND EXPLOSION HAZARDS

FINELY DIVIDED ORGANIC PARTICULATES FORM EXPLOSIVE MIXTURES WITH AIR. CONSULT NFPA 33 FOR PROPER HANDLING PRECAUTIONS. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT OR FIRE. VAPORS MAY IGNITE EXPLOSIVELY AT AMBIENT TEMPERATURES. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK. MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

SPECIAL FIRE FIGHTING PROCEDURES

NONE
WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE

INHALATION
SKIN
EYES
INGESTION
INHALATION
SKIN CONTACT
EYE CONTACT

EFFECTS OF OVEREXPOSURE

INHALATION IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION, LIVER DAMAGE. IRRITATION OF THE MUCOUS MEMBRANES OF NOSE AND RESPIRATORY TRACT.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING, ABSORPTION THROUGH SKIN.

EYE CONTACT IRRITATION OF EYES.
IRRITATION OF EYES.

INGESTION AMOUNTS INGESTED INCIDENTAL TO CONSUMER AND INDUSTRIAL HANDLING ARE NOT LIKELY TO CAUSE INJURY HOWEVER, INGESTION OF LARGER AMOUNTS MAY RESULT IN MINOR GASTRO-INTESTINAL DISTURBANCE.

SUPPLEMENTAL HEALTH INFORMATION

NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.
IN CASE OF EXCESSIVE AND PROLONGED EXPOSURE TO POWDER COATING MATERIALS, SKIN SENSITIZATION MAY OCCUR.

SUPPLEMENTAL HEALTH INFORMATION

THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER IARC HAS RECLASSIFIED STYRENE AS POSSIBLY CARCINOGENIC TO HUMANS GROUP 2B. IARC CONCLUDED THAT THERE IS LIMITED EVIDENCE FOR THE CARCINOGENICITY OF STYRENE TO EXPERIMENTAL ANIMALS, AND INDEFINITE EVIDENCE FOR THE CARCINOGENICITY OF STYRENE TO HUMANS.

MEDICAL CONDITIONS

AGGRAVATED RESPIRATORY AND ECZEMA MAY BE AGGRAVATED BY EXPOSURE.



Paints World Leader

MATERIAL SAFETY DATA SHEET

 **The Glidden Company**

925 EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-545-2643

The Glidden Company is a member of the ICI Paints World Group

The information contained herein is based on data available at the time of preparation of this data sheet and which The Glidden Company believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. The Glidden Company shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.

767 E15100

PAGE 3

SECTION VI - FIRST AID PROCEDURES

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING. GET EMERGENCY MEDICAL ATTENTION. HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY.

SKIN CONTACT WASH OFF QUICKLY WITH PLENTY OF WATER, THEN SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. FLUSH FROM SKIN WITH WATER. THEN WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. OBTAIN EMERGENCY MEDICAL TREATMENT. FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY. NO FIRST AID MEASURES ARE INDICATED FOR AMOUNTS INGESTED INCIDENTAL TO NORMAL USE. SHOULD GASTRO-INTESTINAL SYMPTOMS DEVELOP, OBTAIN MEDICAL ATTENTION.

SECTION VII - REACTIVITY DATA

STABILITY STABLE

INCOMPATIBILITY OXIDIZERS, ACIDS, ALUMINUM CHLORIDE, HALIDES, PEROXIDES, VINYL POLYMERS.

CONDITIONS TO AVOID ELEVATED TEMPERATURES ABOVE DECOMPOSITION RANGE. SUNLIGHT, ELEVATED TEMPERATURES, CONTACT WITH ALUMINUM OR ZINC, STORAGE IN ABSENCE OF INHIBITOR.

HAZARDOUS DECOMPOSITION PRODUCTS CARBON MONOXIDE, CARBON DIOXIDE, ACRID FUMES. MISCELLANEOUS AROMATIC AND ALIPHATIC HYDROCARBONS MAY BE EMITTED UPON THERMAL DECOMPOSITION.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS. ELIMINATE ALL SOURCES OF IGNITION. PREVENT AIRBORNE PARTICLES FROM FORMING. CLEAN OR REMOVE WITH A VACUUM CLEANER EQUIPPED WITH A HIGH EFFICIENCY FILTER. ELIMINATE ALL SOURCES OF IGNITION. VENTILATE AREA WITH EXPLOSION-PROOF EQUIPMENT. SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS. USE NON-SPARKING TOOLS.

WASTE DISPOSAL DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.



Paints World Leader

MATERIAL SAFETY DATA SHEET

 **The Glidden Company**

925 EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-545-2643

The Glidden Company is a member of the ICI Paints World Group

The information contained herein is based on data available at the time of preparation of this data sheet and which The Glidden Company believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. The Glidden Company shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and users of this material.

COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD 29CFR1910.1200.

767 E15100

PAGE 4

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

CONTROL ENVIRONMENTAL CONCENTRATIONS BELOW APPLICABLE STANDARDS. WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.
PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT DUST ACCUMULATION. USE EXPLOSION-PROOF EQUIPMENT.
USE EXPLOSION-PROOF EQUIPMENT. USE NON-SPARKING EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.
IMPERVIOUS GLOVES.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE

TO MAXIMIZE SHELF LIFE STORE BELOW 90F.
STORE BELOW 80 F. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.

OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. IF SANDING IS DONE, WEAR A DUSTMASK TO AVOID BREATHING OF SANDING DUST.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.

DOT

PAINT, FLAMMABLE LIQUID, UN 1263



Paints World Leader

International.
 Courtaulds Coatings, Inc.
 6001 Antwan Drive 77091-3503
 Houston, TX 77210-4806

Interlux.
 Courtaulds Coatings, Inc.
 2270 Morris Avenue
 Union, NJ 07083-0386

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200.
 (THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE)
 PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

Telephone No.: (908) 686-1300
 Emergency Telephone No.: 1 (800) 854-6813
 Date of Preparation: 10/25/95
 Other Reference: 10114225/A7/01

592790

SEA RAY COATING INC
 350 SEA RAY DRIVE
 MERRITT ISLAND, FL
 FAX 407-455-6565

32953

Section One: Product Identification

Prod. No.: 719
 Prod. Name: F.G. BOTTOMKOTE BLACK
 Prod. Class: N/A

Section Two: Hazardous Ingredients

8032-32-4 MINERAL SPIRITS
 LIGROINE
 64742-88-7 MINERAL SPIRITS, EXEMPT
 LIGROINE
 * 1317-39-1 COPROUS OXIDE
 COPPER OXIDE (CU2O)
 1314-13-2 ZINC OXIDE
 ZINC OXIDE

% WL. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (@20 C)
	TLV	PEL	
1-5	100.00 PPM	100.00 PPM	7
10-15	100.00 PPM	100.00 PPM	2
45-50	1.00 MG/M3	1.00 MG/M3	/
5-10	5.00 MG/M3	5.00 MG/M3	/

CLASS ORM-D CONSUMER COMMODITY - ALL PACK SIZES

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

N/A Not Available

Section Three: Physical Data

300-325 DEG. F

Boiling Range: Heavier than air Lighter than air 15 3
 Evaporation Rate: Faster than ether Slower than ether % Volatile Weight (Theoretical) Lb/Gal.

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: 91 DEG. F
 Flash Pt.: (ASTM D3278-78) X
 Extinguishing Media: Foam "Alcohol" Foam CO2 Dry Chemical Water Fog Other

FLAMMABLE
 1.0 PERCENT BY VOLUME

UNUSUAL FIRE AND EXPLOSION HAZARD: CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREA WHERE SPARK OR OPEN FLAME ARE PRESENT.

Special Fire Fighting Procedures: SMALL FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA. WATER MAY BE USED TO COOL UNOPENED CONTAINERS BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

779

T0114225/A7/01

Effects of Overexposure

EYES - IRRITATION, REDNESS, TEARING AND BLURRED VISION.
 SKIN - IRRITATING. MAY RESULT IN DERMATITIS.
 HARMFUL IF ABSORBED THROUGH SKIN.
 INHALATION - SEVERE IRRITATION, DIZZINESS, POSSIBLE NAUSEA AND
 VOMITING AND UNCONSCIOUSNESS.
 INGESTION - GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING,
 DIARRHEA AND UNCONSCIOUSNESS.
 INGESTION - WILL CAUSE BURNS TO THE MOUTH, ESOPHAGUS AND
 PROBABLY THE STOMACH.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

NO

IARC Monographs

NO

OSHA

NO

Primary Route(s) of Entry:

Dermal

Inhalation

Ingestion

Emergency and First Aid Procedure

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
 FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
 SKIN - REMOVE CONTAMINATED CLOTHING, WASH SKIN WITH PLENTY OF
 SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
 GET IMMEDIATE MEDICAL ATTENTION
 GET MEDICAL ATTENTION IF IRRITATION OCCURS
 SKIN - WASH SKIN IMMEDIATELY AND THOROUGHLY WITH WATER AND
 THEN WITH SOAP AND WATER.
 INHALATION - MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
 SECTION FIVE. THREE TO BE CONTINUED

Section Six: Reactivity Data

Stability:

Unstable

Stable

Hazardous polymerization:

May occur

Will not occur

Hazardous Decomposition Products

CO, CO₂, VARIOUS HYDROCARBON FRAGMENTS
 ZINC FUMES COPPER FUMES

Conditions To Avoid

KEEP DRY.
 STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.
 COMPATIBILITY (Materials to Avoid)
 MOISTURE
 OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of spray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS I SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommend grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions

NONE KNOWN UNLESS OTHERWISE NOTED.
 CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
 INHALATION OF ZINC FUME MAY PRODUCE SYMPTOMS KNOWN AS METAL FEVER. SYMPTOMS USUALLY DISAPPEAR WITHIN 24 HOURS.
 THIS MATERIAL IS TOXIC TO FISH IF MISUSED. READ CONTAINER LABEL BEFORE USE.

Section Five: Health Hazard Data

Effects of Overexposure

779

TO114225/A7/01

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

NO

IARC Monographs

NO

OSHA

NO

Primary Route(s) of Entry:

Dermal

Inhalation

Ingestion

Emergency and First Aid Procedure

IF NEEDED, GET MEDICAL ATTENTION.

INGESTION - GET MEDICAL ATTENTION IMMEDIATELY. DRINK PROMPTLY

MILK, EGG WHITES, GELATIN SOLUTION OR WATER. AVOID ALCOHOL.

NEVER GIVE FLUIDS OR INDUCE VOMITING IF VICTIM IS

UNCONSCIOUS.

CORROSIVE. DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF

WATER OR MILK IF CONSCIOUS AND GET MEDICAL ATTENTION.

Section Six: Reactivity Data

Stability:

Unstable

Stable

Hazardous polymerization:

May occur

Will not occur

Hazardous Decomposition Products

Conditions To Avoid

Incompatibility (Materials to Avoid)

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to

remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

Recommend grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions

International.
Courtauld Coatings, Inc.
6001 Antoine Drive 77091-3501
Houston, TX 77040-4806

Interlux.
Courtauld Coatings, Inc.
2270 Morris Avenue
Union, NJ 07083-0306

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200.
(THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE)
PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

Telephone No.: (908) 636-1300
Emergency Telephone No.: (800) 854-6813
Preparation: 05/19/94
Reference: T0114433/A3/01

Attn: Ron 15-30
SeaRay
592816
INTERLUX

Section One: Product Identification

Prod. No.: 449
Prod. Name: FIBRGLS BOTTOMKOTE RED
Prod. Class: N/A

Section Two: Hazardous Ingredients

Chemical Name	Percentage
XYLENE	3.6
DIMETHYLBENZENE	3.6
MINERAL SPIRITS	14.8
LIGROINE	
MINERAL SPIRITS, EXEMPT	
LIGROINE	
CUPROUS OXIDE	
COPPER OXIDE (CU2O)	
ZINC OXIDE	
ZINC OXIDE	

% Wt. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (@20°C)
	TLV	PEL	
3.6	1-5 100.00 PPM	100.00 PPM	10.0
3.6	1-5 100.00 PPM	100.00 PPM	7.0
14.8	10-15 100.00 PPM	100.00 PPM	2.0
	45-50 1.00 MG/M3	1.00 MG/M3	N/A
	10-15 5.00 MG/M3	5.00 MG/M3	N/A

CLASS ORM-D CONSUMER COMMODITY - ALL PACK SIZES
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

N/A Not Available

Section Three: Physical Data

Boiling Range: 280-325 DEG. F
Evaporation Rate: Faster than ether Slower than ether
Vapor Density: Heavier than air Lighter than air
% Volatile Weight (Theoretical): 22 Lb/Gal. 16.3

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: FLAMMABLE, CLASS I, C
Flash Pt: 81 DEG. F
Extinguishing Media: Foam "Alcohol" Foam CO2
DOT: FLAMMABLE
LEL: 1.0 PERCENT BY VOLUME
Dry Chemical Waterfog Other

Unusual Fire and Explosion Hazards:
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK OR OPEN FLAME ARE PRESENT.

Special Fire Fighting Procedures

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

Effects of Overexposure

449

TO114483/AB/01

EYES - IRRITATION, REDNESS, TEARING AND BLURRED VISION.
 SKIN - IRRITATING. MAY RESULT IN DERMATITIS.
 HARMFUL IF ABSORBED THROUGH SKIN.
 INHALATION - SEVERE IRRITATION, DIZZINESS, POSSIBLE NAUSEA AND
 VOMITING AND UNCONSCIOUSNESS.
 INGESTION - GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING,
 DIARRHEA AND UNCONSCIOUSNESS.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

Primary Route(s) of Entry:

Emergency and First Aid Procedure

Dermal

Inhalation

IARC Monographs

Ingestion

OSHA

NO

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
 FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
 SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF
 SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
 INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
 IF NEEDED. GET MEDICAL ATTENTION.
 INGESTION - GET MEDICAL ATTENTION IMMEDIATELY. DRINK PROMPTLY
 MILK, EGG WHITES, GELATIN SOL'N OR WATER. AVOID ALCOHOL.

Section Six: Reactivity Data

Stability:

Hazardous Decomposition Products

Unstable

Stable

Hazardous polymerization:

May occur

Will not occur

Conditions To Avoid: CO, CO2, VARIOUS HYDROCARBON FRAGMENTS, ZINC FUMES, COPPER FUMES

Incompatibility (Materials To Avoid):

KEEP DRY. STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

MOISTURE

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.
 Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Product Identification

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

Section Nine: Special Precautions

IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING

Recommend ground bonding and static control for liquids and powders to avoid static charge build up.

Other Precautions

NONE KNOWN UNLESS OTHERWISE NOTED.
 CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INHALATION OF ZINC FUME MAY PRODUCE SYMPTOMS KNOWN AS METAL FEVER. SYMPTOMS USUALLY DISAPPEAR WITHIN 24 HOURS. THIS MATERIAL IS TOXIC TO FISH IF MISUSED. READ CONTAINER LABEL BEFORE USE.

Product Name: SPECIAL THINNER
Prod. No.: 216
Prod. Name: TLUX
Prod. Class: N/A

SEA RAY OAT, INC.
350 SEA RAY DRIVE
MERRITT ISLAND, FL
FX#407-425-6565

32937
32953

Section One: Product Identification

Section Two: Hazardous Ingredients

1330-20-7 XYLENE
DIMETHYLBENZENE

% Wt. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (20 C)
	TLV	PEL	
95-100	100.00PPM	100.00PPM	10.0

CLASS ORN-D CONSUMER COMMODITY - ALL PACK SIZES
* CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372

Section Three: Physical Data

Boiling Range: 280-280 DEG. F
Evaporation Rate: Faster than other Slower than other
Vapor Density: Heavier than air Lighter than air
% Volatile Weight (Theoretical): 100
Lb/Gal: 7.3

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: 80 DEG. F
Flash Pt.: X
Extinguishing Media: Foam "Alcohol" Foam CO2
FLAMMABLE 1.0 PERCENT BY VOLUME
DOT: X
LEL: X
Dry Chemical Water Fog Other

CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREA WHERE SPARK OR OPEN FLAME ARE PRESENT.

Fire Fighting: FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

EYES - IRRITATION WITH REDNESS, TEARING, AND BLURRED VISION.
SKIN - IRRITATING, MAY RESULT IN DERMATITIS.
INHALATION - IRRITATION OF RESPIRATORY TRACT, HEADACHE AND DIZZINESS AND UNCONSCIOUSNESS.
INGESTION - MAY CAUSE GASTRO-INTESTINAL IRRITATION.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP NO IARC Monographs NO OSHA NO
Primary Route(s) of Entry: Dermal Inhalation Ingestion

Emergency and First Aid Procedures
EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING, WASH SKIN WITH PLENTY OF SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability: Unstable Stable Hazardous polymerization: May occur Will not occur
Hazardous Decomposition Products: CO, CO2, VARIOUS HYDROCARBON FRAGMENTS

Conditions To Avoid
STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Materials to Avoid)
OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.
Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of over spray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.
Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.
Protective Gloves: Wear chemical resistant gloves.
Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.
Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.
Other Protective Equipment
WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing
STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS I SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommendation: Grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions
CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Information contained herein is based on the data available to us and is believed to be correct. However, Courtaulds Coatings, Inc. makes no warranty, expressed or implied, regarding the accuracy of this data or the data obtained from the use thereof. Courtaulds Coatings, Inc. assumes no responsibility for injury from the use of the data described herein. Consult Courtaulds Coatings, Inc. for more information.



FROM

04.03.1991 13:00 NO. 13 P. 2

P.O. BOX 386, UNION, NEW JERSEY 07083

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200 (THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE) PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

TELEPHONE NO: (201) 686-1300
EMERGENCY TELEPHONE NO: (201) 685-1300
DATE OF PREPARATION: 05/02/90
OLD REFERENCE: T0111581/F0/01

25-100 Find # 604025

SECTION ONE: PRODUCT IDENTIFICATION

U.N. NO.: 353
PROD. NAME: VINYLUX P W BASE
PROD. CLASS: N/A

MARK INTERLUX

SECTION TWO: HAZARDOUS INGREDIENTS

54-17-5
57-63-0
108-1C-1
57-63-0
7440-47-3

ETHANOL
ETHYL ALCOHOL
ISOPROPANOL
2-PROPANOL
METHYL ISOBUTYL KETONE
2-PENTANONE, 4-METHYL-
ISOPROPANOL
2-PROPANOL
CHROMATES AS CR
CHROMATES AS CR

30
3
13
28

% WT. (OPTIONAL)	OCCUPATIONAL EXPOSURE		VAP. PRE (mm Hg @20° C)
	TLV	PEL	
35-40	100.00PPM	100.00PPM	42.0
1-5	400.00PPM	400.00PPM	33.0
10-15	50.00 PPM	100.00 PPM	15.0
25-30	400.00 PPM	400.00 PPM	33.0
1.570	0.05MG/M3	0.05MG/M3	N/A

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

N/A - NOT AVAILABLE

SECTION THREE: PHYSICAL DATA

BOILING RANGE 163-241 DEG. F
EVAPORATION RATE: FASTER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR LIGHTER THAN AIR
SLOWER THAN ETHER % VOLATILE WEIGHT (THEORETICAL) 82 LB/GAL 7.5

SECTION FOUR: FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: FLAMMABLE, CLASS I B
FLASH PT: 55 DEG. F (ASTM D3278-78)
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO2
DOT: FLAMMABLE
LEL: 3.3 PERCENT BY VOLUME
DRY CHEMICAL WATERFOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK OR OPEN FLAME ARE PRESENT.

SPECIAL FIRE FIGHTING PROCEDURES

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SECTION FIVE: HEALTH HAZARD DATA

353

T0111581/F0/01

EFFECTS OF OVEREXPOSURE

EYES - SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.
 SKIN- IRRITATING. MAY RESULT IN DERMATITIS.
 INHALATION - IRRITATION OF RESPIRATORY TRACT. HEADACHE AND
 DIZZINESS AND UNCONSCIOUSNESS.
 INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING
 DIARRHEA.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE

SKIN AND RESPIRATORY CONDITIONS.

INGREDIENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NTP

YES IARC MONOGRAPHS

YES

OSHA

YES

PRIMARY ROUTE(S) OF ENTRY:DERMAL INHALATION INGESTION **EMERGENCY AND FIRST AID PROCEDURE**

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
 FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
 SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF
 SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
 INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
 IF NEEDED. GET MEDICAL ATTENTION.
 INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE
 WHETHER OR NOT TO INDUCE VOMITING.

SECTION SIX: REACTIVITY DATA**STABILITY:**UNSTABLE STABLE **HAZARDOUS POLYMERIZATION:**MAY OCCUR WILL NOT OCCUR **HAZARDOUS DECOMPOSITION PRODUCTS:**

CO, CO₂, VARIOUS HYDROCARBON FRAGMENTS
 CHROMIUM FUMES

CONDITIONS TO AVOID

STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

INCOMPATIBILITY (MATERIALS TO AVOID)

OXIDIZING AGENTS

SECTION SEVEN: SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID INHALATION OF VAPORS. VENTILATE AREA
 CLEAN UP WITH ABSORBANT MATERIALS.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE UNOPENED CONTAINERS

SECTION EIGHT: SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IN OUTDOOR OR OPEN AREAS, WITH UNRESTRICTED VENTILATION, USE A NIOSH APPROVED FILTER RESPIRATOR TO REMOVE
 SOLID AIR-BORNE PARTICLES OF OVERSPRAY DURING SPRAY APPLICATION. IN RESTRICTED VENTILATION AREAS, USE A NIOSH APPROVED RESPIRATOR IN
 ACCORDANCE WITH 29 CFR 1910.134 TO REMOVE A COMBINATION OF PARTICULATES AND VAPORS.

VENTILATION: PROVIDE SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, TO KEEP TLV AND LEL OF HAZARDOUS INGREDIENTS BELOW LIMITS SPECIFIED
 ON PAGE ONE, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

PROTECTIVE GLOVES: WEAR CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES, CHEMICAL GOGGLES AND/OR FACE SHIELD SHOULD BE WORN TO PREVENT EYE CONTACT.

HYGIENIC PRACTICES: REMOVE AND WASH SOILED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING OR SMOKING.

OTHER PROTECTIVE EQUIPMENT

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT
 SKIN CONTACT.

SECTION NINE: SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF
 LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4.
 AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING
 SURFACES COATED WITH THIS PRODUCT.

RECOMMEND GROUNDING AND BONDING OF CONTAINERS WHEN TRANSFERRING LIQUIDS AND POWDERS TO AVOID STATIC CHARGE BUILD UP.

OTHER PRECAUTIONS:

CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN
 LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
 THIS PRODUCT CONTAINS SMALL AMOUNTS OF CHROMIUM COMPOUND
 WHICH MAY CAUSE CANCER UNDER POOR HYGIENE CONDITIONS.

FROM

04.03.1991 15:57

NO. 13 P. 4

P.O. BOX 386, UNION, NEW JERSEY 07083

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200 (THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE) PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

TELEPHONE NO.: (201) 686-1300
EMERGENCY TELEPHONE NO.: (201) 686-1300
DATE OF PREPARATION: 05/02/90
OHS REFERENCE: T011581/A4/01

Find #
6025

SECTION ONE: PRODUCT IDENTIFICATION

PROD. NO: 354
PROD. NAME: VINYLUX P W REDUCER
PROD. CLASS: N/A

MARK INTERLUX

SECTION TWO: HAZARDOUS INGREDIENTS

7-63-0 ISOPROPANOL
07-98-2 2-PROPANOL
8-93-3 PROPYLENEGLYCOL METHYL ETHER
664-38-2 2-PROPANOL, 1-METHOXY-
METHYL ETHYL KETONE
2-BUTANONE
PHOSPHORIC ACID
PHOSPHORIC ACID

% WT. (OPTIONAL)	OCCUPATIONAL EXPOSURE		VAP. PRES (mm Hg) (@20° C)
	TLV	PEL	
5-10	400.00PPM	400.00PPM	33.0
35-40	100.00PPM	100.00PPM	10.9
25-30	200.00PPM	200.00PPM	70.0
20-25	1.00PPM	1.00PPM	N/A

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

N/A - NOT AVAILABLE

SECTION THREE: PHYSICAL DATA

BOILING RANGE 175-243 DEG. F
EVAPORATION RATE: FASTER THAN ETHER VAPOR DENSITY: HEAVIER THAN AIR SLOWER THAN ETHER LIGHTER THAN AIR
% VOLATILE WEIGHT (THEORETICAL) 76 LB/GAL 8.1

SECTION FOUR: FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: FLAMMABLE, CLASS I B
FLASH PT: 35 DEG. F (ASTM D3278-78)
EXTINGUISHING MEDIA: FOAM "ALCOHOL" FOAM CO2
DOT: FLAMMABLE
LEL: 1.6 PERCENT BY VOLUME
DRY CHEMICAL WATERFOG OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK OR OPEN FLAME ARE PRESENT.
EXPLOSIVE HYDROGEN GAS MAY BE GENERATED IN THE PRESENCE OF

SPECIAL FIRE FIGHTING PROCEDURES
SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SECTION FIVE: HEALTH HAZARD DATA

354

T0111581/A4/01

EFFECTS OF OVEREXPOSURE

EYES - EXTREMELY IRRITATING. LIQUID CAUSES EYE BURNS.
 SKIN - SEVERE IRRITATION. MAY CAUSE BURNS.
 INHALATION - SEVERE IRRITATION, DIZZINESS, POSSIBLE NAUSEA AND
 VOMITING AND UNCONSCIOUSNESS.
 INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING
 DIARRHEA.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE

SKIN AND RESPIRATORY CONDITIONS.

INGREDIENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NTP

NO IARC MONOGRAPHS
 INHALATION

NO OSHA
 INGESTION

NO

PRIMARY ROUTE(S) OF ENTRY:

DERMAL

EMERGENCY AND FIRST AID PROCEDURE

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
 FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
 SKIN - REMOVE CONTAMINATED CLOTHING, WASH SKIN WITH PLENTY OF
 SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
 INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
 IF NEEDED. GET MEDICAL ATTENTION.
 INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE
 WHETHER OR NOT TO INDUCE VOMITING.

SECTION SIX: REACTIVITY DATA

STABILITY:

UNSTABLE

STABLE

HAZARDOUS POLYMERIZATION:

MAY OCCUR

WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS

CONDITIONS TO AVOID

STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

INCOMPATIBILITY (MATERIALS TO AVOID)

OXIDIZING AGENTS
 REDUCING AGENTS

SECTION SEVEN: SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID INHALATION OF VAPORS. VENTILATE AREA.
 CLEAN UP WITH ABSORBANT MATERIALS.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT INCINERATE UNOPENED CONTAINERS.

SECTION EIGHT: SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: IN OUTDOOR OR OPEN AREAS, WITH UNRESTRICTED VENTILATION, USE A NIOSH APPROVED FILTER RESPIRATOR TO REMOVE
 SOLID AIR-BORNE PARTICLES OF OVERSPRAY DURING SPRAY APPLICATION. IN RESTRICTED VENTILATION AREAS, USE A NIOSH APPROVED RESPIRATOR IN
 ACCORDANCE WITH 29 CFR 1910. 134 TO REMOVE A COMBINATION OF PARTICULATES AND VAPORS.

VENTILATION: PROVIDE SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, TO KEEP TLV AND LEL OF HAZARDOUS INGREDIENTS BELOW LIMITS SPECIFIED
 ON PAGE ONE, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

PROTECTIVE GLOVES: WEAR CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: SAFETY GLASSES, CHEMICAL GOGGLES AND/OR FACE SHIELD SHOULD BE WORN TO PREVENT EYE CONTACT.

HYGIENIC PRACTICES: REMOVE AND WASH SOILED CLOTHING BEFORE REUSE. WASH HANDS BEFORE EATING OR SMOKING.

OTHER PROTECTIVE EQUIPMENT

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT
 SKIN CONTACT.

SECTION NINE: SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF
 LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4.
 AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING
 SURFACES COATED WITH THIS PRODUCT.

RECOMMEND GROUNDING AND BONDING OF CONTAINERS WHEN TRANSFERRING LIQUIDS AND POWDERS TO AVOID STATIC CHARGE BUILD UP.

OTHER PRECAUTIONS:

CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN
 LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

International.
Courtaulds Coatings, Inc.
6911 Antoine Drive
Houston, TX 77210-1806

Interlux.
Courtaulds Coatings, Inc.
2270 Morris Avenue
Union, NJ 07093-0186

15-30-612077
MATERIAL SAFETY DATA SHEET
May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200.
(THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE)
PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

Telephone No.: (201) 686-1300
Emergency Telephone No.: (201) 686-1300
Date of Preparation: 10/31/90
Our Reference: S0137583/A1/01 2600371000

SEA RAY BOATS
100 SEA RAY DRIVE.
P.O. BOX 541257
MERRITT ISLAND, FLA.

32953

Section One: Product Identification

F. No. 2001
Prod. Name INTERPROTECT CURING AGENT
Prod. Class N/A

Section Two: Hazardous Ingredients

* 1-36-3 N-BUTYL ALCOHOL
330-20-7 1-BUTANOL
684-102-31 XYLENE
5068-36-6 DIMETHYLBENZENE
POLYAMIDE RESIN
POLYAMIDE RESIN
EPOXY RESIN
EPOXY RESIN

% Wt. (optional)	Occupational Exposure		Vap. Press. (mm Hg) (@ 20° X)
	TLV	PEL	
30-35	50.00PPM	50.00PPM	4.0
35-40	100.00PPM	100.00PPM	10.0
25-30	N/A	N/A	N/A
1-5	N/A	N/A	N/A

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

Section Three: Physical Data

Boiling Range 244-280 DEG. F
Evaporation Rate: Faster than either Slower than either
Vapor Density: Heavier than air Lighter than air
Volatile Weight (Theoretical): 71 LB/Gal. 7.3

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: FLAMMABLE, CLASS I C
Flash Pt. 80 DEG. F (ASTM D3278-78)
Extinguishing Media: Foam "Alcohol" Foam CO2
DOT: FLAMMABLE
LEL: NOT APPLICABLE
Dry Chemical Waterfog Other

Unusual Fire and Explosion Hazards
NONE KNOWN UNLESS OTHERWISE NOTED.
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK OR OPEN FLAME ARE PRESENT.

Special Fire Fighting Procedures
SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

2001

SO137583/A1/01

Effects of Overexposure

EYES - SEVERE IRRITANT. MAY CAUSE VISION IMPAIRMENT EVEN BLINDNESS
EYES - CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE.
SKIN- IRRITATING. MAY RESULT IN DERMATITIS.
MAY CAUSE SENSITIZATION OR OTHER ALLERGIC RESPONSES.
INHALATION - IRRITATION OF RESPIRATORY TRACT. HEADACHE AND DIZZINESS AND UNCONSCIOUSNESS.
INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING
DIARRHEA.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen NTP

NO

ARC Monographs

NO

OSHA

NO

Primary Route(s) of Entry:

Dermal

Inhalation

Ingestion

Emergency and First Aid Procedure

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability

Unstable

Stable

Hazardous polymerization

May occur

Will not occur

Hazardous Decomposition Products

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS
ALDEHYDES NITROGEN COMPOUNDS

Conditions To Avoid

NONE KNOWN UNLESS OTHERWISE NOTED .
STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Conditions To Avoid)

NONE KNOWN UNLESS OTHERWISE NOTED .
OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation; use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse; Wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommended Grounding and Bonding of Containers When Transferring Liquids and Powders To Avoid Static Charge Build Up.

Other Precautions:

NONE KNOWN UNLESS OTHERWISE NOTED .
CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200.
(THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE)
PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

Telephone No.: (201) 686-1300
Emergency Telephone No.: (201) 686-1300
Date of Preparation: 10/31/90
Our Reference: S0137583/A0/01 2600371000

SEA RAY BOATS
100 SEA RAY DRIVE.
P.O. BOX 541257
MERRITT ISLAND, FLA.

32953

Section One: Product Identification

Part No. 2000
Prod. Name HB INTERPROTECT DARK
Prod. Class N/A

Section Two: Hazardous Ingredients

* 71-36-3 N-BUTYL ALCOHOL
1-330-20-7 I-BUTANOL
64742-95-6 XYLENE
75-09-2 DIMETHYLBENZENE
25068-38-6 AROMATIC PETROLEUM SOLVENT
SLVT NAPHTHA, (PET) LT AROM
METHYLENE CHLORIDE
EPOXY RESIN
METHANE, DICHLORO-
EPOXY RESIN

% Wt. (optional)	Occupational Exposure		Vap. Press. (mm Hg) (@ 20° X)
	TLV	PEL	
5-10	50.00PPM	50.00PPM	4.0
5-10	100.00PPM	100.00PPM	10.0
5-10	100.00PPM	100.00PPM	10.0
10.670	50.00PPM	50.00PPM	N/A
15-20	N/A	N/A	N/A

* CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

N/A Not Available

Section Three: Physical Data

Boiling Range 104-344 DEG. F Vapor Density Heavier than air Lighter than air
Evaporation Rate: Faster than either Slower than either Volatile Weight (Theoretical) 34 LB/Gal. 12.9

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA. FLAMMABLE, CLASS I C DOT: FLAMMABLE
Flash Pt. 80 DEG. F (ASTM D3278-7B) LEL. 1.0 PERCENT BY VOLUME
Extinguishing Media Foam "Alcohol" Foam CO2 Dry Chemical Waterfog Other

Unusual Fire and Explosion Hazards

NONE KNOWN UNLESS OTHERWISE NOTED.
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK OR OPEN FLAME ARE PRESENT.
CONTAINS METHYLENE CHLORIDE. DECOMPOSES IN FIRE OR ON HOT SURFACES TO HIGHLY TOXIC SUBSTANCES.

Special Fire Fighting Procedures

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

2000

S0137583/A0/01

Effects of Overexposure

EYES - EXTREMELY IRRITATING. LIQUID CAUSES EYE BURNS.
SKIN- SEVERE IRRITATION. MAY CAUSE BURNS.
INHALATION - IRRITATION OF RESPIRATORY TRACT. HEADACHE AND
DIZZINESS AND UNCONSCIOUSNESS.
INGESTION - GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING,
DIARRHEA AND UNCONSCIOUSNESS.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen NTP

YES

ARC Monographs

NO

OSHA

NO

Primary Route(s) of Entry:

Dermal

Inhalation

Ingestion

Emergency and First Aid Procedure

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF
SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE
WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability

Unstable

Stable

Hazardous polymerization

May occur

Will not occur

Hazardous Decomposition Products

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS
ALDEHYDES HYDROGEN CHLORIDE, PH

Conditions To Avoid

NONE KNOWN UNLESS OTHERWISE NOTED .
STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Conditions To Avoid)

NONE KNOWN UNLESS OTHERWISE NOTED .
OXIDIZING AGENTS

SECTION SIX.TWO TO BE CONTINUED

Section Seven: Spill or Leak Procedure

SECTION SIX.THREE TO BE CONTINUED

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation; use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910. 134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse; Wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT
SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF
LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4.
AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING
SURFACES COATED WITH THIS PRODUCT.

Recommended Grounding and Bonding of Containers When Transferring Liquids and Powders To Avoid Static Charge Build Up.

Other Precautions:

NONE KNOWN UNLESS OTHERWISE NOTED .
CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN
LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.
METHYLENE CHLORIDE HAS BEEN SHOWN TO CAUSE CANCER IN CERTAIN
LABORATORY ANIMAL TESTS. RISK TO YOUR HEALTH DEPENDS ON THE
LEVEL AND DURATION OF EXPOSURE.

Telephone No.: (201) 686-1300
Emergency Telephone No.: (201) 686-1300
Date of Preparation: 08/17/93
Our Reference: S0160575/A2/01 2600371000

Section One: Product Identification

Prod. No.: 2000E
Prod. Name: INTERPROTECT 2000E GRAY BASE
Prod. Class: N/A

SEA RAY BOATS

100 SEA RAY DRIVE
MERRITT ISLAND, FL

32953

Section Two: Hazardous Ingredients

* 71-36-3 N-BUTYL ALCOHOL
* 1330-20-7 1-BUTANOL
* 64742-95-6 XYLENE
25069-38-6 DIMETHYLBENZENE
AROMATIC PETROLEUM SOLVENT
SLVT NAPHTHA, (PET) LT AROM
EPOXY RESIN
EPOXY RESIN

% Wt. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (@20 C)
	TLV	PEL	
5-10	50.00 PPM	50.00 PPM	4.0
15-20	100.00 PPM	100.00 PPM	10.0
5-10	100.00 PPM	100.00 PPM	10.0
15-20	N/A	N/A	N/A

CLASS ORM-D CONSUMER COMMODITY - ALL PACK SIZES
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY
PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

A Not Available

Section Three: Physical Data

Boiling Range: 244-344 DEG. F
Evaporation Rate: Faster than ether Slower than ether
Vapor Density: Heavier than air Lighter than air
% Volatile Weight (Theoretical): 33 Lb/Gal. 12.2

Flammability Classification: OSHA: FLAMMABLE, CLASS I C
Flash Pt.: 83 DEG. F (ASTM D3278-78)
Extinguishing Media: Foam "Alcohol" Foam CO₂
DOT: FLAMMABLE
LEL: 1.0 PERCENT BY VOLUME
Dry Chemical Water Fog Other

Unusual Fire and Explosion Hazards

NONE KNOWN UNLESS OTHERWISE NOTED
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK
OR OPEN FLAME ARE PRESENT.

Special Fire Fighting Procedures

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST
NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO
PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

Effects of Overexposure

2000E

S0160575/A2/01

EYES - SEVERE IRRITATION, REDNESS, TEARING AND BLURRED VISION.
SKIN- IRRITATING. MAY RESULT IN DERMATITIS.
MAY CAUSE SENSITIZATION OR OTHER ALLERGIC RESPONSES.
INHALATION - IRRITATION OF RESPIRATORY TRACT. HEADACHE AND
DIZZINESS AND UNCONSCIOUSNESS.
INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING
DIARRHEA.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

Primary Route(s) of Entry:

Emergency and First Aid Procedure

Dermal

NO Inhalation IARC Monographs

NO Ingestion

OSHA

NO

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER
FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF
SOAP AND WATER. LAUNDER CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE
WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability:

Hazardous Decomposition Products Unstable

Stable

Hazardous polymerization:

May occur

Will not occur

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS
ALDEHYDES

Conditions To Avoid

NONE KNOWN UNLESS OTHERWISE NOTED .
STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Materials to Avoid)

NONE KNOWN UNLESS OTHERWISE NOTED .
OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of spray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommend grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions

NONE KNOWN UNLESS OTHERWISE NOTED .
CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Telephone No.: (201) 686-1300
Emergency Telephone No.: (201) 686-1300
Date of Preparation: 08/17/93
Our Reference: S0160575/A0/01 2600371000

Section One: Product Identification

Prod. No.: 2001E
Prod. Name: INTERPROTECT CURE
Prod. Class: N/A

SEA RAY BOATS

100 SEA RAY DRIVE
MERRITT ISLAND, FL

32953

Section Two: Hazardous Ingredients

- * 71-36-3 N-BUTYL ALCOHOL
- * 1330-20-7 1-BUTANOL
- 68410-23-1 XYLENE
- 25068-38-6 DIMETHYLBENZENE
- POLYAMIDE RESIN
- POLYAMIDE RESIN
- EPOXY RESIN
- EPOXY RESIN

% Wt. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (@20°C)
	TLV	PEL	
35-40	50.00 PPM	50.00 PPM	4.0
30-35	100.00 PPM	100.00 PPM	10.0
20-25	N/A	N/A	N/A
1-5	N/A	N/A	N/A

CLASS ORM-D CONSUMER COMMODITY - ALL PACK SIZES
CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY
PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

A Not Available

Section Three: Physical Data

Boiling Range: 244-280 DEG. F Vapor Density: Heavier than air Lighter than air
Evaporation Rate: Faster than ether Slower than ether % Volatile Weight (Theoretical): 72 Lb/Gal. 7.3

Flammability Classification: OSHA: FLAMMABLE, CLASS I C
Flash Pt.: 80 DEG. F (ASTM D3278-78) DOT: FLAMMABLE
Extinguishing Media: Foam "Alcohol" Foam CO₂ LEL: NOT APPLICABLE
Dry Chemical Water Fog Other

Unusual Fire and Explosion Hazards

NONE KNOWN UNLESS OTHERWISE NOTED.
CONTAINS FLAMMABLE SOLVENT. DO NOT USE IN AREAS WHERE SPARK
OR OPEN FLAME ARE PRESENT.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT

Special Fire Fighting Procedures

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST
NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO
PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

Effects of Overexposure

2001E

S0160575/A0/01

EYES - SEVERE IRRITANT. MAY CAUSE VISION IMPAIRMENT EVEN BLINDNESS.
EYES - CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE.
SKIN- IRRITATING. MAY RESULT IN DERMATITIS.
MAY CAUSE SENSITIZATION OR OTHER ALLERGIC RESPONSES.
INHALATION - IRRITATION OF RESPIRATORY TRACT. HEADACHE AND DIZZINESS AND UNCONSCIOUSNESS.
INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING
DIARRHEA.

Medical Conditions Prone To Aggravation

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

Primary Route(s) of Entry:

Emergency and First Aid Procedure

Dermal

NO Inhalation LARC Monographs

NO Ingestion

OSHA

NO

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability:

Hazardous Decomposition Products Unstable

Stable

Hazardous polymerization:

May occur

Will not occur

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS
ALDEHYDES NITROGEN COMPOUNDS

Conditions To Avoid

NONE KNOWN UNLESS OTHERWISE NOTED.
STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Materials to Avoid)

NONE KNOWN UNLESS OTHERWISE NOTED.
OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommend grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions

NONE KNOWN UNLESS OTHERWISE NOTED.
CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

Telephone No.:
Emergency Telephone No.:
Date of Preparation:
Our Reference:

(908) 586-1300
(908) 586-1300
11/15/93
S0162555/A2/01 2600371000

15-30 612085

SEA RAY BOATS

100 SEA RAY DRIVE
MERRITT ISLAND, FL

32953

Section One: Product Identification

Prod. No.: 1000
Prod. Name: INTERPROTECT 1000 BASE
Prod. Class: N/A

Section Two: Hazardous Ingredients

112945-52-5 AMORPHOUS FUMED SILICA
66081-84-5 AMORPHOUS FUMED SILICA
XXX ALKYL GLYCIDYL ETHER
POXY RESIN
28054-14-4 POXY RESIN

% Wt. (Optional)	Occupational Exposure		Vap. Press (mm Hg) (@ 20°C)
	TLV	PEL	
1-5	N/A	6.00 MG/M ³	N/A
10-15	N/A	N/A	0.5
60-65	N/A	N/A	N/A
20-25	N/A	N/A	N/A

N/A Not Available

Section Three: Physical Data

Boiling Range 394-482 DEG. F Vapor Density: Heavier than air Lighter than air
Evaporation Rate: Faster than ether Slower than ether % Volatile Weight (Theoretical) 9.5 Lb/Gal.

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: COMBUSTIBLE, CLASS II
Flash Pt.: 110 DEG. F (ASTM D3278-78)
Extinguishing Media: Foam "Alcohol" Foam CO₂
DOT: COMBUSTIBLE
LEL: NOT APPLICABLE
Dry Chemical Waterfog Other

Unusual Fire and Explosion Hazards: CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT

Special Fire Fighting Procedures

SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

1000

SU162566/A2/01

Effects of Overexposure

EYES - IRRITATION, REDNESS, TEARING AND BLURRED VISION.
SKIN - IRRITATING. MAY RESULT IN DERMATITIS.
MAY CAUSE SENSITIZATION OR OTHER ALLERGIC RESPONSES.
INHALATION - MAY CAUSE IRRITATION.
INGESTION - MAY CAUSE GASTRO-INTESTINAL IRRITATION.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen: NTP

Primary Route(s) of Entry:

Dermal [] X

NO IARC Monographs

NO

OSHA

NO

Emergency and First Aid Procedure

Inhalation [] X

Ingestion []

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability:

Unstable []

Stable [] X

Hazardous polymerization:

May occur []

Will not occur [] X

Hazardous Decomposition Products

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS ALDEHYDES

Conditions To Avoid

STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Materials To Avoid)

OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbent materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Product Identification

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation, use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910.134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse, wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommend grounding and bonding of containers when transferring liquids and powders to avoid static charge build up.

Other Precautions

NONE KNOWN UNLESS OTHERWISE NOTED.

May be used to comply with OSHA's Hazard Communication Standard 29CFR 1910.1200.
 (THIS MSDS SUPERCEDES ANY PREVIOUS ISSUE)
 PLEASE DIRECT TO THE APPROPRIATE DEPARTMENT IMMEDIATELY

Telephone No.: (201) 686-1300
 Emergency Telephone No.: (201) 686-1300
 Date of Preparation: 11/13/90
 Our Reference: S0137829/A1/01 2600371000

15-30-612085

SEA RAY BOATS
 100 SEA RAY DRIVE.
 P.O. BOX 541257
 MERRITT ISLAND, FLA.

NOV 21 1990

32953

Section One: Product Identification

PA: 1001
 Prod. Name: INTERPROTECT 1001 REACTOR
 Prod. Class: N/A

Section Two: Hazardous Ingredients

111-40-6 DIETHYLENE TRIAMINE
 236-53-1 DIETHYLENE TRIAMINE
 90-72-2 TRIMETHYLHEXAMETHYLENE DIAMINE
 08-95-2 TRIMETHYLHEXAMETHYLENE DIAMINE
 XXX TRIDIMETHYLAMINOMETHYLPHENOL
 8064-14-4 TRIDIMETHYLAMINOMETHYLPHENOL
 PHENOL
 EPOXY RESIN
 EPOXY RESIN
 EPOXY
 EPOXY RESIN

% Wt. (optional)	Occupational Exposure		Vap. Press (mm Hg) (@ 20° X)
	TLV	PEL	
1-5	N/A	N/A	N/A
45-50	N/A	N/A	N/A
10-15	5.00 PPM	5.00 PPM	N/A
10-15	5.00 PPM	5.00 PPM	N/A
10-15	N/A	N/A	N/A
5-10	N/A	N/A	N/A

CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AND OF 40 CFR 372.

Section Three: Physical Data

Boiling Range: 394-600 DEG. F
 Evaporation Rate: Faster than either Slower than either
 Vapor Density: Heavier than air Lighter than air
 Volatile Weight (Theoretical): 48 LB/Gal. 8.1

Section Four: Fire and Explosion Hazard Data

Flammability Classification: OSHA: COMBUSTIBLE, CLASS II
 Flash Pt. 110 DEG. F (ASTM D3278-78)
 DOT: COMBUSTIBLE
 LEL: NOT APPLICABLE
 Extinguishing Media: Foam "Alcohol" Foam CO2 Dry Chemical Waterfog Other

Unusual Fire and Explosion Hazards
 NONE KNOWN UNLESS OTHERWISE NOTED.
 CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT

Special Fire Fighting Procedures
 SMOTHER FLAMES WITH ONE OF THE ABOVE EXTINGUISHING MEDIA.
 WATER MAY BE USED TO COOL UNOPENED CONTAINERS, BUT MUST NOT BE USED AS AN EXTINGUISHING MEDIA. TAKE CARE TO PREVENT SPREAD OF BURNING LIQUID WITH WATER.
 CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

Section Five: Health Hazard Data

1001

50137829/A1/01

Effects of Overexposure

EYES - SEVERE IRRITANT. MAY CAUSE VISION IMPAIRMENT EVEN BLINDNESS
EYES - CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE.
SKIN- MAY CAUSE BURNS, SENSITIZATION / ALLERGIC RESPONSES.
INHALATION - SEVERE IRRITATION, DIZZINESS, POSSIBLE NAUSEA AND VOMITING AND UNCONSCIOUSNESS.
INGESTION - GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING DIARRHEA.

Medical Conditions Prone To Aggravation By Exposure

SKIN AND RESPIRATORY CONDITIONS.

Ingredient Listed as Carcinogen or Potential Carcinogen NTP

ARC Monographs

OSHA

Primary Route(s) of Entry:

Dermal [X]

NO

Inhalation [X]

NO

Ingestion []

NO

Emergency and First Aid Procedure

EYES - FLUSH IMMEDIATELY WITH COPIOUS QUANTITIES OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN - REMOVE CONTAMINATED CLOTHING, WASH SKIN WITH PLENTY OF SOAP AND WATER. LAUNDRY CLOTHES BEFORE REUSE.
INHALATION - REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION.
INGESTION - CALL A PHYSICIAN IMMEDIATELY TO DETERMINE WHETHER OR NOT TO INDUCE VOMITING.

Section Six: Reactivity Data

Stability

Unstable []

Stable [X]

Hazardous polymerization

May occur []

Will not occur [X]

Hazardous Decomposition Products

CO, CO2, VARIOUS HYDROCARBON FRAGMENTS ALDEHYDES NITROGEN COMPOUNDS

Conditions To Avoid

STORE AWAY FROM DIRECT HEAT, FLAME OR SPARK.

Incompatibility (Conditions To Avoid)

OXIDIZING AGENTS

Section Seven: Spill or Leak Procedure

Steps to be taken if material is released or spilled: Remove all sources of ignition. Avoid inhalation of vapors. Ventilate area. Clean up with absorbant materials.

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. Do not incinerate unopened containers.

Section Eight: Safe Handling and Use Information

Respiratory Protection: In outdoor or open areas, with unrestricted ventilation; use a NIOSH approved filter respirator to remove solid air-borne particles of overspray during spray application. In restricted ventilation areas, use a NIOSH approved respirator in accordance with 29 CFR 1910. 134 to remove a combination of particulates and vapors.

Ventilation: Provide sufficient ventilation, in volume and pattern, to keep TLV and LEL of hazardous ingredients below limits specified on page one, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses, chemical goggles, and/or face shield should be worn to prevent eye contact.

Hygienic Practices: Remove and wash soiled clothing before reuse; Wash hands before eating or smoking.

Other Protective Equipment

WEAR APPROPRIATE IMPERVIOUS PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT.

Section Nine: Special Precautions

Precautions to be Taken in Handling and Storing

STORE IN BUILDING DESIGNED AND PROTECTED FOR STORAGE OF LIQUIDS WITH NFPA CLASS GIVEN BY OSHA CLASS IN SECTION 4. AVOID BREATHING DUST OR CHIPS FROM SANDING OR BLASTING SURFACES COATED WITH THIS PRODUCT.

Recommended Grounding and Bonding of Containers When Transferring Liquids and Powders To Avoid Static Charge Build Up.

Other Precautions:

NONE KNOWN UNLESS OTHERWISE NOTED. CHRONIC OVEREXPOSURE TO, AND MISUSE OF, SOLVENTS HAS BEEN LINKED TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

M a t e r i a l S a f e t y D a t a S h e e t

ALPHA RESINS CORPORATION
4620 N. GAITHERWAY ROAD
LAKELAND, FLA. 33809
(813) 858-4431

Product: ALTEK 80-602F
Internal ID: ALPHA

MSDS No: ALPHA / 313
Revision: JULY 1, 1990
Date: July 31, 1990

National Paint
and Coatings
Association

Hazardous Material
Identification
System

HEALTH HAZARD	2
FLAMMABILITY HAZARD	3
REACTIVITY HAZARD	2
PERSONAL PROTECTION	I

SECTION I. MATERIAL IDENTIFICATION

Trade/Material Name: ALTEK 80-602F

Description: Diacid/Glycol condensate

CAS: mixture

Trade Secret Register: N/A

Chemical Name: Unsaturated polyester resin

Manufacturer: Alpha Resins Corporation

Phone: (813)858-4431

SECTION II. INGREDIENTS AND HAZARDS

Ingredient Name:	CAS Number:	Percent:	Exposure Limits:
Styrene	100-42-5	35%*	50 ppm TWA; 100 ppm STEL

SARA 313 INFORMATION: This product contains the above substance which is subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

* Weight Percent.

SECTION III. PHYSICAL DATA

Appearance & Odor: Viscous Liquid with a Sweet Pungent Odor.

Boiling point: 293°F
Vapor pressure: <4.5 mmHg
Water solubility (%): very slight
Vapor density (air=1): 3.6

Evaporation rate: 1.1
Specific gravity (H₂O=1): 1.0 - 1.1
Melting point: N/A

Material Safety Data Sheet

ALPHA RESINS CORPORATION
4620 N. GALLOWAY ROAD
LAKELAND, FLA. 33809
(813) 858-4431

Product: ALTEK 80-802F
Internal ID: ALPHA

MSDS No: ALPHA (J11)
Revision: JULY 1, 1990
Date: July 3, 1990

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point (method): 88-92°F (CC) Limits: LEL %: 1.1 UEL %: 6.1
NFPA Flammable/Combustible Liquid Classification: 1C
NFPA Fire Hazard Symbol Codes: Flammability: 3 Health: 2 Reactivity: 2 Special: none
Extinguishing Media: water fog, dry chemical, foam or CO₂ Autoignition Temp: 917°F

Unusual fire or explosion hazards: At elevated temperatures, such as in a fire condition, polymerization may take place resulting in violent rupture of closed containers. Wear positive pressure apparatus, eye protection, and keep vapors away from possible ignition sources.

Special fire-fighting procedures: If electrical equipment is involved, the use of foam should be avoided. Handling equipment should be cooled by water stream if exposed to fire.

SECTION V. REACTIVITY DATA

Material is stable. Hazardous polymerization may occur.

Chemical incompatibilities: Acids, oxidizing agents, free radical initiators such as peroxides, and metallic halides and soaps.

Conditions to avoid: sunlight, open flames, contamination, and prolonged storage above 75°.

Hazardous decomposition Products: carbon monoxide, carbon dioxide, and low molecular weight hydrocarbons.

SECTION VI. HEALTH HAZARD INFORMATION

This product is considered a possible carcinogen by IARC.*

Summary of risks: Causes irritation to throat, eyes, skin and nose. Harmful if inhaled.

Medical conditions which may be aggravated by contact: May aggravate pre-existing respiratory and skin disorders.

Target organs: CNS, respiratory system, lungs, eyes and skin.

Primary entry route(s): inhalation, ingestion, contact

Acute effects: May irritate eyes, nose, throat, and skin.

Chronic effect(s): May cause victim to feel drugged, sleepy or become unconscious. Repeated skin contact may cause rash. May affect the brain or nervous system, causing dizziness, headache or nausea. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Material Safety Data Sheet

ALPHA RESINS CORPORATION
4620 N. GALLOWAY ROAD
LAKELAND, FLA. 33809
(813) 858-4431

Product: ALITEK 80-802F
Internal ID: ALPHA

MSDS No: ALPHA / 312
Revised: JULY 3, 1990
Date: July 3, 1990

HEALTH HAZARD INFORMATION continued from page 2

Signs & symptoms of overexposure:

Eye contact: Causes irritation to the eyes.

Skin contact: May cause irritation to the skin.

Inhalation: May irritate eyes, nose and throat. May feel drugged, sleepy, or unconscious.

Ingestion: May cause victim to become weak and unsteady.

First aid:

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Get prompt medical attention. (Contact lenses should not be worn while working with this material.)

Skin contact: Wash exposed skin with soap and water. Get medical attention if irritation develops. Remove contaminated clothing, shoes, and thoroughly clean before reuse.

Inhalation: Move exposed person(s) to fresh air. Get medical attention.

Ingestion: DO NOT induce vomiting. Call Physician immediately.

*For hazard communication purposes under OSHA Standard 29 CFR Part 1910.1200, styrene is listed as a possible carcinogen by IARC. Neither the data from various long-term animal studies nor from epidemiology of workers exposed to styrene provide an adequate basis to conclude that styrene is carcinogenic.

SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill / Leak procedures: Remove all sources of ignition. Ventilate area. Prevent material from entering drains. Absorbent should be vermiculite, dry sand or earth.

Small Spill - Soak up with absorbent and scoop into drums.

Large Spill - Dike and pump into drums.

Waste management / Disposal: Dispose of according to local, state and federal regulations.

SECTION VIII. SPECIAL PROTECTION INFORMATION

Personal protective equipment:

Goggles: Use chemical goggles.

Gloves: Use gloves of rubber or other resistant material.

Material Safety Data Sheet

ALPHA RESINS CORPORATION
4620 N. GALLOWAY ROAD
LAKELAND, FLA. 33809
(813) 858-4431

Product: ALPHAK 80-802F
Internal ID: ALPHA

MSDS No: ALPHA / 313
Revised on: JULY 3, 1990
Date: July 3, 1990

SPECIAL PROTECTION INFORMATION continued from page 3

Respirator: Chemical cartridge respirator with NIOSH/OSHA approved organic vapor cartridge to 400 ppm. At exposures above 400 ppm use an SCBA.

Other: Use chemical resistant aprons or coats to avoid skin contact.

Workplace considerations:

Ventilation: Local exhaust is preferred. Mechanical ventilation is acceptable. Use explosion proof equipment.

Safety stations:

Safety showers and eye wash stations are recommended.

Contaminated equipment:

Clean contaminated equipment with an appropriate solvent prior to storage.

SECTION IX. SPECIAL PRECAUTIONS

Storage segregation: Store in a cool dry place away from incompatible materials.

Special handling / storage: Store in an area below 75°F and out of direct sunlight. Keep from heat, spark, and smoking areas. Empty containers may be hazardous.

Engineering controls: Equipment should be grounded during transfer and non-sparking pumps should be used.

Other precautions: Do not transfer to unlabeled bottles or containers.

DOT Class: Flammable Liquid
Data source code(s): #1

UN Register: UN-1866

Prepared/revised by: R. C. PEIERSON

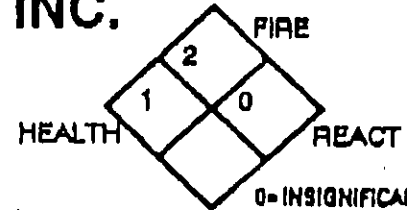
July 3, 1990

The Alpha Corporation and Alpha Resins Corporation has made every effort to ensure the accuracy of the foregoing information. No warranties of accuracy are made; however, as to chemical or physical changes that may occur in the transportation, storage, or use of this material after it leaves Alpha's control.



AUTO WAX COMPANY, INC.

1300 Round Table Drive
Dallas, Texas 75247
214-631-4000



0= INSIGNIFICANT
1= SLIGHT
2= MODERATE
3= HIGH
4= EXTREME

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE NUMBER 1-800-826-0828

The information in this MSDS was obtained from current and reputable sources. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

SECTION 01-IDENTIFICATION	Code 18	Date Issued 05/92	Date Revised 05/92	Prepared By Ron Veath
----------------------------------	------------	----------------------	-----------------------	--------------------------

PRODUCT NAME ► **COSMOLINE REMOVER**

SECTION 02 - HAZARDOUS INGREDIENTS								
Hazardous Ingredients	%	CAS No.	LD ₅₀ of Material (Specify Species/Route)	LC ₅₀ of Material (Specify Species)	TLV (PPM)	OSHA (PPM)	CARCINOGEN	
							NTP	IARC
Xylene	18	1330-20-7	Not Available	Not Available	100	180	No	No
Kerosene	84	8008-20-8	Not Available	Not Available	100	100	No	No
TFX Cleaner			Cosmoline Remover - 10%		Xylene 16%		Kerosene 84%	
			Water - 90%					

SECTION 03 - PHYSICAL DATA					
Physical State Gas () Liquid (✓) Solid ()	Odor and Appearance Solvent Odor / Clear/Liquid		Odor Threshold (PPM) Not Available		
Vapor Pressure (mm Hg) Not Available	Vapor Density (Air = 1) Not Available	Evaporation Rate Not Available	Boiling Point (°C) 177	Freezing Point (°C) Not Available	
% Volatile (By Volume)	Solubility in Water (20°C) 95% Insoluble	pH Not Available	Specific Gravity 0.8400	Coefficient Water/Oil Dtd. Not Available	

SECTION 04 - FIRE AND EXPLOSION DATA			
Flammability Yes () No (✓)	If Yes, Under Which Conditions		
Means of Extinction Carbon Dioxide, Dry Chemical, Alcohol Foam			
Special Procedures None			
Autoignition Temperature (°C) Not Available	Hazardous Combustion Products Carbon Monoxide and Carbon Dioxide		
Flashpoint (°C) and Method 42 / TCO	Upper Explosion Limit (% by Volume) Not Available	Lower Explosion Limit (% by Volume) Not Available	
Explosion Sensitivity to Impact Data: Not Available	Rate of Burning Not Available	Explosive Power Not Available	Sensitivity to Static Discharge Not Available

7.00 7.51 8.345 x 90%
+ .7 1.0 x 10%
8.21 #/gal

PRODUCT NAME ► COSMOLINE REMOVER

SECTION 05 - REACTIVITY DATA

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No, under which conditions:
Incompatibility with other Substances: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes, which ones?
Reactivity, and under what conditions?	Not Available
Hazardous Decomposition Products	Carbon Monoxide and Carbon Dioxide

SECTION 06 - TOXICOLOGICAL PROPERTIES

Route of Entry Skin Contact <input checked="" type="checkbox"/> Inhalation Acute <input checked="" type="checkbox"/>	Skin Absorption <input checked="" type="checkbox"/> Inhalation Chronic <input type="checkbox"/>	Eye Contact <input checked="" type="checkbox"/> Ingestion <input type="checkbox"/>
Effects of Acute Exposure to Material <i>Harmful or fatal if swallowed. Ingestion may cause nausea, dizziness, confusion and unconsciousness. Repeated or prolonged skin contact may cause irritation or dermatitis. Eye contact may cause redness, tearing, and blurred vision. Breathing vapors may cause nasal and respiratory irritation.</i>		
Effects of Chronic Exposure to Material <i>Not Available</i>		
LD ₅₀ of Material (Specify Species and Route) <i>Not Available</i>	LC ₅₀ of Material (Specify Species) <i>Not Available</i>	Exposure Limit of Material <i>Not Available</i>
Sensitization Property of Material <i>Not Available</i>	Carcinogenicity of Material <i>Not Available</i>	Reproductive Effects of Material <i>Not Available</i>
		Initiacy of Material <i>Not Available</i>
		Synergistic Materials <i>Not Available</i>

SECTION 07 - PREVENTIVE MEASURES

Personal Protective Equipment:			
Gloves (Specify) <i>Nitrile / Vinyl</i>	Respirator (Specify) <i>NIOSH - Organic Vapor</i>	Eye (Specify) <i>Glasses / Goggles</i>	
Footwear (Specify) <i>None</i>	Clothing (Specify) <i>Coveralls / Apron</i>	Other (Specify) <i>None</i>	
Engineering Controls (Specify, e.g., Ventilation, enclosed Process)			<i>Normal air circulation</i>
Leak and Spill Procedure			<i>Contain and collect with proper absorbent</i>
Waste Disposal			<i>Dispose in accordance with local, state, and federal laws</i>
Handling Procedures and Equipment			<i>None</i>
Storage Requirements			<i>Keep away from open flames and excessive heat</i>
Special Shipping Information			<i>None</i>

SECTION 08 - FIRST AID MEASURES

Skin Contact:	<i>Wash affected area with soap and water. Remove contaminated clothing.</i>
Eyes:	<i>Flush with water for 15 minutes.</i>
Ingestion:	<i>Do not induce vomiting. Seek medical attention immediately.</i>
Breathing:	<i>Move to fresh air. Provide oxygen if needed.</i>
Additional Information:	

EMERGENCY PHONE NUMBER 1-800-826-0828



FAX SHEET

(800) 835-2054
(316) 794-8601 FAX: (316) 794-8398

UNIVERSAL PRODUCTS, INC. / 521 Industrial Street / Goddard, Kansas 67052

TRANSMITTED

BY: _____

DATE: _____

FROM... NAME Marsha DATE 11-2 NO. OF PAGES INCLUDING THIS ONE 3

MESSAGE... ATTN: Laurie

Hi - Heria is the MSDS sheet on
our TFX cleaner.

Marsha

TO... NAME Laurie COMPANY Sea Ray
LOCATION Merritt Island FAX NUMBER 1-407-452-3568

***** SECTION I *****

Manufacturer: E.I. DuPont de Nemours & Co., (Inc.)
Automotive
Wilmington, Delaware 19896

Telephone: Product Information (800) 441-7515
Medical emergency (800) 441-3637
Transportation emergency (800) 424-9300 (CHEMTREC)

DENSITY: WHITE L/F 'IMRON' URETHANE ENAMEL

PRODUCT CODE: 555-U FORMULA DATE: 940404

SHA NAME: FLAMMABLE LIQUID

HIS: H=1, F=3, R=0

(824-Y-50131)

***** SECTION II - INGREDIENTS *****

INGI	CAS NO.	SEC. 313	INGREDIENT
001	108-88-3	3 %	TOLUENE
002	141-78-6		ETHYL ACETATE
003	108-65-6		PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE
004	1330-20-7	1 %	XYLENE
005	13463-67-7		TITANIUM DIOXIDE
006	96591-17-2		ACRYLIC POLYMER

Section 313 Supplier Notification

The chemicals listed above with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372.

DUPONT CO. 610-458-6134
MAY-31-1996 10:56

INGI	VAPOR PRESSURE MM HG	EXPOSURE LIMITS
001	36.70 20 DEG (C)	ACGIH 50.0 PPM SKIN
		OSHA 200.0 PPM
		OSHA 300.0 PPM CEILING
		OSHA 500.0 PPM 10 MIN MAX
		DUPONT 50.0 PPM 8&12 HR TWA
002	76.00 20 DEG (C)	ACGIH 400.0 PPM
		OSHA 400.0 PPM
003	3.70 20 DEG (C)	DUPONT 10.0 PPM
		ACGIH NONE
		OSHA NONE

***** SECTION II CONTINUED *****

004	25.00 25 DEG (C)	ACGIH	100.0 PPM	
		OSHA	100.0 PPM	
		ACGIH	100.0 PPM	8&1/2 HR TWA
		OSHA	150.0 PPM	15 MIN TWA
005	NOT APP	ACGIH	10.0 MG/M3	
		OSHA	15.0 MG/M3	
		DUPONT	10.0 MG/M3	
006	NONE	ACGIH	NONE	
		OSHA	NONE	

***** SECTION III - PHYSICAL DATA *****

EVAPORATION RATE SLOWER THAN ETHER	VAPOR DENSITY HEAVIER THAN AIR	SOLUBILITY OF SOLVENT SYSTEM IN WATER
PERCENT VOLATILE BY VOLUME 61.4	APPROX. BOILING RANGE 76-155 DEG (C)	WEIGHT PER GALLON 10.56
PERCENT VOLATILE BY WEIGHT 45.9	PERCENT SOLIDS 54.0	VOC LESS EXEMPT 4.8
		VOC AS PACKAGED 4.8

***** SECTION IV - FIRE & EXPLOSION DATA *****

FLASH POINT (METHOD) BETWEEN 20 - 73 F (CC)	APPROX. FLAMMABLE LIMITS LEL 1.0 % UEL 13.1 %
--	--

Extinguishing media: foam, carbon dioxide, dry chemical

Special fire fighting procedures: full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to prevent pressure build-up.

Unusual fire & explosion hazards: when heated above the flashpoint, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mist or sprays may be flammable at temperatures below the flash point.

***** SECTION V - HEALTH HAZARD DATA *****

ROUTE OF ENTRY	SYMPTOMS/EFFECTS AND FIRST AID
----------------	--------------------------------

Inhalation: May cause nose and throat irritation. Repeated

L 113

DUPONT CO. 610-458-6134

MAY-31-1996 10:57

***** SECTION V CONTINUED *****

and prolonged overexposure to solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are signs that solvent levels are too high.

This product cannot be applied satisfactorily without the addition of an activator which contains an isocyanate.

(See appropriate MSDS for recommended activator.) Exposure to isocyanates may cause respiratory sensitization. This effect may be permanent. Symptoms include an asthma-like reaction with shortness of breath, wheezing or coughing, which may be permanent. This effect may be delayed for several hours after exposure. Repeated overexposure to isocyanates may cause a decrease in lung function which may be permanent. Individuals with lung or breathing problems or prior reaction to isocyanates must not be exposed to the vapors or spray mist of this product. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Ingestion: Gastro-intestinal distress. In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

OTHER POTENTIAL HAZARDS INCLUDE:

TOLUENE

Recurrent overexposure may result in liver and kidney injury.

High airborne levels have produced irregular heart beats in animals and occasional palpitations in humans.

Rats exposed to very high airborne levels have exhibited high frequency hearing deficits. The significance of this to man is unknown.

WARNING: This chemical is known to the State of California to cause birth defects or other reproductive harm.

ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

POLYETHYLENE GLYCOL MONOMETHYL ETHER ACETATE
May cause moderate eye burning.

***** SECTION V CONTINUED *****

Recurrent overexposure may result in liver and kidney injury.

'LENE

High concentrations have caused embryotoxic effects in laboratory animals.

Recurrent overexposure may result in liver and kidney injury.

Can be absorbed through the skin in harmful amounts.

TANIUM DIOXIDE

In a lifetime inhalation test, lung cancers were found in some rats exposed to 250 mg/m³ respirable titanium dust. Analysis of the titanium dioxide concentrations in the rat's lungs showed that the lung clearance mechanism was overwhelmed and that the results at the massive 250 mg/m³ level are not relevant to the workplace.

First Aid:

Inhalation: If affected by inhalation of vapor or spray mist, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing difficulty persists, or occurs later, consult a physician.

Skin or eye: In case of contact, immediately flush with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

Ingestion: In the unlikely event of ingestion, call a physician immediately and have names of ingredients available.

***** SECTION VI - REACTIVITY DATA *****

ABILITY
STABLE

Stability: Stable in sealed containers.

Incompatibility (materials to avoid): Water, alcohols.

Hazardous decomposition products: CO, CO₂, smoke.

Hazardous polymerization: Will not occur.

***** SECTION VII - SPILL OR LEAK PROCEDURES *****

Steps to be taken in case material is released or spilled:

Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Wear properly fitted vapor/particulate respirator (NIOSH/MSHA TC-23C). If the material has been activated with an isocyanate, wear a positive-pressure supplied-air respirator.

***** SECTION VII CONTINUED *****

(NIOSH/MSHA TC-19C). Confine and remove with inert absorbent. Deactivate isocyanate containing spills with:
20% surfactant (Tergitol TPN-10)
80% water

or:
0-10% ammonia
2-5% detergent
balance water.

Waste disposal method: Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State, and local requirements. Do not incinerate in closed containers.

***** SECTION VIII - SPECIAL PROTECTION INFORMATION *****

Respiratory: Do not breathe vapors or mists. Wear a positive-pressure supplied-air respirator (NIOSH/MSHA TC-19C) while mixing activator with enamel, during application and until all vapors and spray mists are exhausted. Individuals with a history of lung or breathing problems or prior reaction to isocyanate should not use or be exposed to this product when activated. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.

Protective clothing: Wear neoprene gloves and coveralls.

Eye protection: Desirable in all industrial situations. Include splash guards or side shields.

***** SECTION IX - SPECIAL PRECAUTIONS *****

Precautions to be taken in handling and storing: Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 deg F.

Other precautions: Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.

***** SECTION X - NOTES *****

***** SECTION X CONTINUED *****

NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

Product Manager

Prepared by T.R. Louer, CIH
(302) 774-8303

=UDK=\
+X

DUPONT CO. 610-458-6134

MAY-31-1996 10:58

SR 662437

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Super Blue LF Resin Cleaner

Manufacturer: Fiberglass and Resins Division
Superior Oil Company
400 W. Regent St.
Indianapolis, IN 46225

Telephone: 317-781-4400

Date of preparation: November 7, 1995

SECTION II - HAZARDOUS INGREDIENTS

Ingredients:	ACGIH TLV	OSHA PEL	CAS#	%(w/w)
dipropylene glycol	100 ppm	100 ppm	34590948	1-5
methyl ether				

SECTION III - PHYSICAL DATA

Specific Gravity : 1.07
Boiling Point : 212 degrees F.
Vapor Pressure: 17.5 mm Hg.
Vapor Density : ND
Evaporation Rate : same as water
Solubility in Water : complete
Appearance : blue liquid
Odor : mild citrus

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Deg. F.) : Not Applicable
Lower Explosive Limit : none
Upper Explosive Limit : none
Extinguishing Media : water, foam, carbon dioxide, dry
chemical as for surrounding fires
Special Fire Fighting Procedures : None
Unusual Fire/Explosion Hazards : None

SECTION V - REACTIVITY DATA

Chemical Stability : Stable
Conditions to Avoid : Extremely high temperatures
Incompatible Materials : Strong oxidizers
Hazardous Decomposition Products : Carbon dioxide, carbon
monoxide
Hazardous Polymerization : will not occur

SECTION VI - HEALTH HAZARD DATA

Effects of Overexposure :

Eyes - Contact can cause irritation, redness.
Skin - Prolonged or repeated contact can cause irritation.

Breathing - Mist may irritate nasal and respiratory passages.

First Aid Procedures :

Eyes - Flush from with water for 15 minutes.
Get medical help if irritation persists.

Skin - Rinse with water. See a physician if irritation persists.

Respiratory System : Remove to fresh air. If necessary, give oxygen, artificial respiration.

Ingestion : Give large quantities of water. Get medical assistance.

Carcinogenicity : Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case of spill : Absorb on solid absorbent or wash down with water.

Waste Disposal Method : Dispose in accordance with all local, state and federal regulations.

Precautions to be Taken in Handling and Storing : Store at moderate temperatures. Keep container closed when not in use.

Other Precautions : Keep out of the reach of children.
Return empty drums to a licensed reconditioning service.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection : Use respirator for product mists.

Ventilation : Recommended

Protective Gloves : Recommended for prolonged or repeated contact.

Eye Protection : Wear safety glasses or face shield.

Other Protective Clothing or Equipment : Eye wash station.

SECTION IX - HMIS RATINGS

Health: 1

Fire: 0

Reactivity : 0

This information is based on data available to us and is accurate and reliable to the best of our knowledge at the time of printing. However, no warranty is expressed or implied regarding the accuracy or completeness of the information contained herein. Final determination of the suitability of this material for the use contemplated is the sole responsibility of the user. Buyer assumes all risk and liabilities. Buyer accepts and uses this material on these conditions.



Fiberglass and resins DIVISION
SUPERIOR OIL COMPANY, INC.

TECHNICAL SPECIFICATIONS

SUPER BLUE LF RESIN CLEANER

Super Blue LF is a water based, biodegradable concentrated cleaner designed to remove liquid polyester resin from tools and equipment. Super Blue LF is characterized by its low foam tendency and effective emulsifying capabilities. This product contains no heavy metals, chlorinated solvents or corrosives. Therefore, it is mild to the skin and should conform with the wastewater discharge requirements of most municipalities.

Form.....	Liquid Concentrate
Specific Gravity.....	1.07
W.P.G.....	8.9
Odor.....	Mild citrus
Appearance.....	Blue Liquid
pH.....	8.5-9.0 (conc.)

Material Safety:

Super Blue LF is safe to use on metal surfaces including iron, steel, stainless steel, aluminum and brass.

HMIS Ratings:

Health	1
Fire	0
Reactivity	0

Use Directions:

Dilute with water for use. Recommended dilution is 1:10 product to water. Super Blue LF is more effective when heated to 105 to 109 degrees Fahrenheit.

Caution:

Alkaline material. Avoid contact with eyes or skin. Flush from eyes or skin with water for 15 minutes. Get medical help if irritation persists. Keep out of the reach of children.

1951

400 WEST REGENT / INDIANAPOLIS, INDIANA 46225 / TELEPHONE (317) 781-4400

St. Louis, MO (314) 621-2600	Springfield, MO (417) 862-6245	Cincinnati, OH (513) 870-9271	Louisville, KY (502) 449-1184	Elkhart, IN (219) 264-0161	Effingham, IL (217) 342-4390
---------------------------------	-----------------------------------	----------------------------------	----------------------------------	-------------------------------	---------------------------------

This information is based on data available to us and is accurate and reliable to the best of our knowledge at the time of printing. However, no warranty is expressed or implied regarding the accuracy or completeness of the information contained herein. Final determination of the suitability of this material for the use contemplated is the sole responsibility of the user. Buyer assumes all risk and liabilities. Buyer accepts and uses this material on these conditions.

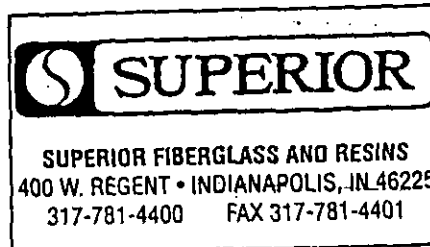
SUPERIOR SOLVENTS AND CHEMICALS
 400 West Regent Street
 Indianapolis, Indiana 46225
 EMERGENCY PHONE NUMBER: 317-781-4400

MPPT# 662445

CHEMICAL NAME & SYNONYMS: SOLVENT BLEND TRADE NAME: S-0280 SUPER FLUSH

I. PHYSICAL DATA

BOILING POINT: (°F) 368
 SPECIFIC GRAVITY (Water = 1): 1.064
 POUNDS / GALLON: 8.86
 VAPOR PRESSURE: (psi) 0.0119
 VAPOR DENSITY (Air = 1): > 1
 SOLUBILITY IN WATER (X): 23.987
 DRY TIME (Ether = 1): > 1
 VOLATILE BY VOLUME: 100
 APPEARANCE: Water White Liquid
 COLOR: Typical solvent



II. HAZARDOUS INGREDIENTS

MATERIALS:	CAS #	VOL (X)	ACGIH TWA (ppm)	OSHA TWA (ppm)
DIMETHYL GLUTARATE	1119-40-0	> 29	N/E	N/E
XYBISPROPANOLMETHYLEETHER	34590-94-8	> 9	100	100
DIMETHYL ADIPATE	627-93-0	> 9	N/E	N/E
DIMETHYL SUCCINATE	106-65-0	> 9	N/E	N/E

III. FIRE & EXPLOSION HAZARD DATA

LOWER EXPLOSIVE LIMIT IN AIR (% by vol): 0.8
 UPPER EXPLOSIVE LIMIT IN AIR (% by vol): 8.0
 FLASH POINT (T.C.C. deg F): 172 (lowest flashing component)

EXTINGUISHING MEDIA: Carbon Dioxide, Alcohol Foams, or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: S.C.B.A. for fire fighting in enclosed areas. Water spray may be used to cool exposed containers and protect personnel. In advanced fires, maintain a safe distance from sealed containers.

UNUSUAL EXPLOSION AND FIRE PROCEDURES: COMBUSTIBLE LIQUID! Use away from heat and open flame. Use only with adequate ventilation. Keep container closed when not in use.

Legal responsibility is assumed only for the fact that all studies reported here & all opinions are those of qualified experts. Buyer assumes all risks and liabilities. The buyer accepts and uses this material on these conditions.

IV. REACTIVITY DATA

ABILITY: STABLE: X UNSTABLE:

CONDITIONS TO AVOID: Isolate from heat, sparks, and open flames.

COMPATIBILITY: Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Oxides of carbon (CO, CO2)

HAZARDOUS POLYMERIZATION: Will not occur.

V. HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION - YES SKIN - YES INGESTION - YES

EFFECTS OF ACUTE OVEREXPOSURE: Material is an eye and skin irritant. Excessive vapor inhalation will lead to central nervous system depression. Harmful or fatal if swallowed.

CHRONIC OVEREXPOSURE: Material may defat the skin on repeated exposure leading to dermatitis.

MUTAGENICITY: NTP: NO IARC: NO OSHA: NO

-THIS BLEND CONTAINS NO LISTED CARCINOGENS-

SIGNS & SYMPTOMS OF EXPOSURE: The signs of central nervous system depression begin with headache, dizziness and apparent intoxication, and progress through loss of consciousness.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin contact can aggravate existing dermatitis.

AGENCY & FIRST AID PROCEDURE: EYE CONTACT - rinse with water for 15 minutes. If irritation persists call a physician. SKIN CONTACT - wash with plenty of soap and water.

Wash contaminated clothing before reuse. EXCESSIVE VAPOR INHALATION - remove victim to fresh air and restore breathing if necessary. Call a physician if there are signs of breathing difficulties. IF SWALLOWED - do not induce vomiting, call a physician immediately with the listing of materials on this sheet.

VI. PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Stop spill at the source, dike the area and contain the flow mop up or absorb and place in suitable container. Notify proper authorities if an RQ was involved.

WASTE DISPOSAL METHOD: As directed by local and federal pollution laws.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Avoid free fall of liquid, ground containers when pouring. Store below 120°F and away from direct heat, sparks and open flame.

VII. CONTROL MEASURES

RESPIRATORY PROTECTION: Organic cartridge type respirator if ventilation or other mechanical means cannot keep air below TLV.

VENTILATION: Local exhaust is preferable, but any mechanical means that will keep vapors below limits is acceptable.

PROTECTIVE GLOVES: Recommended - must not dissolve in solvents.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical goggles and apron are recommended if splashing is possible. An eye wash and safety shower should be available.

WORK/HYGIENIC PRACTICES: Avoid breathing vapor or spray mist. Wash hands thoroughly after contact and before breaks or meals.

VIII. LISTED MATERIALS

As per the requirements of 40 CFR 372.45, the following components of this blend are listed in Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986.

MATERIAL	CAS #	MAXIMUM % BY WGT
- NONE LISTED -		

The act also requires that this notice accompany the MSDS in all redistributions and not be detached or omitted from future copies.

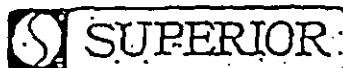
Date 07/28/94

PRODUCT SAFETY ALERT BULLETIN
DBE SOLVENT AND BLURRED VISION

Recently a limited number of incidents of temporary blurred vision have been reported by users of DBE Dibasic Esters in some solvent cleaning applications. Symptoms have lasted from one hour to several hours after termination of direct exposure. No permanent vision impairments have been reported. Our investigations indicate that in each of these incidents, the DBE concentration in air was above the recommended limits, and/or there was extensive and prolonged skin contact with DBE. No adverse health effects have been reported when DBE was used in enclosed processes or when proper ventilation was used to limit airborne concentrations. Additional tests are being conducted to supplement data from these investigations.

We recommend that you immediately ensure that the following safe handling procedures are being practiced:

1. Provide adequate air flow in areas where DBE is used in open containers so that the 8-hour time-weighted average concentration of DBE in air is no more than 10 milligrams per cubic meter (1.5 ppm) OR use a respirator to give equivalent protection.
2. Wear safety glasses at all times. Use coverall goggles to prevent eye contact, if the possibility of splashing or spraying of the material exists.
3. Use protective clothing as appropriate, such as gloves, aprons, boots, or whole body suits made of an impervious material such as butyl rubber to prevent skin exposure.

 SUPERIOR

Solvents and chemicals DIVISION



Solvents and chemicals DIVISION
SUPERIOR OIL COMPANY, INC.

400 WEST REGENT / INDIANAPOLIS, INDIANA 46225 / TELEPHONE (317) 783-6631

SPECIFICATIONS

Superior S-280 Super Flush

Boiling Point (760 mm Hg)	370°F
Color (APHA)	15 Max.
Specific Gravity (15°C)	1.06
Water (Max.)	1000 ppm
Flash Point (TCC)	>170°F
Non Volatile Matter	.001% Max.

This information is based on data available to us and is accurate to the best of our knowledge at the time of printing. However, no warranty is expressed or implied regarding the accuracy of the information contained herein. Final determination of the suitability of this material for the use contemplated is the sole responsibility of the user.

MI

666057
RESIN, HYDROPEL



Page: 1 of 9
Prepared: 6 April 1995
MSDS No.: 950406V1

MATERIAL SAFETY DATA SHEET

Section 1: Product and Company Information

Product Name: HYDROPEL A 35 16.65606 Polyester Resin/Vinyl Ester Resin Blend containing Styrene and Fumed Silica

Manufacturer: Alpha/Owens-Corning L.L.C., P. O. Box 610, Collierville, TN 38027-0610
Telephone: 901-854-2800 (8am-6pm CT weekdays).

Emergency Contacts:
Manufacturer ONLY (24 HOURS/DAY): 800-238-7536,
CHEMTREC (24 hours everyday): 800-424-9300,
CANUTEC (Canada - 24 hours everyday): 613-896-6666.

Health and Technical Contacts:
Health Issues Information (8am-5pm CT): 901-854-2800,
Technical Product Information (8am-5pm ET): 219-465-4385.

Section 2: Composition and Ingredient Information

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS No.</u>	<u>Wt. %</u>
Polyester Resin	Polyester Resin	64386-66-9	32-35
Vinyl Ester Resin	Epichlorohydrin, Bisphenol A, Methacrylic Acid Polymer	36425-15-7	32-35
Styrene Monomer	Vinyl Benzene	100-42-5	33-35
Fumed Silica	Silicon Dioxide Amorphous	112945-62-5	0.5-1.5

Note: See Section 8 of MSDS for exposure limit data for these ingredients.

Section 3: Hazards Identification

Appearance and Odor: Viscous liquid with an aromatic odor.

Primary Route(s) of Exposure: inhalation, skin, eye



Page: 2 of 9
Prepared: 6 April 1986
MSDS No.: 950406V1

MATERIAL SAFETY DATA SHEET

Potential Health Effects:

ACUTE (short term):

This product if inhaled may cause upper respiratory irritation and possible central nervous system effects including headaches, nausea, vomiting, dizziness, drowsiness, loss of coordination, impaired judgment, and general weakness. It may cause dryness, cracking, tenderness and irritation of the skin. Direct contact with this product may result in immediate irritation to the eyes with redness, burning, tearing and blurred vision. It may cause mouth, throat and gastrointestinal irritation, nausea, vomiting, and diarrhea if ingested. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. See Section 8 for exposure controls.

CHRONIC (long term):

Styrene is a possible cancer hazard (IARC Group 2B). Prolonged exposure may result in nausea, loss of appetite, general weakness, changes in blood chemistry, and peripheral and central nervous system activity. Prolonged or repeated skin contact may result in dermatitis marked by rough, dry cracking skin. Prolonged or repeated eye exposures to vapors may cause irritation to the lining of the eyelids. In laboratory animals, chronic exposure to styrene at high concentrations has been found to cause liver abnormalities, kidney damage and lung damage. In addition, preliminary results of inhalation studies indicate that laboratory rats exposed to 800 ppm styrene via inhalation showed evidence of hearing loss. Relevance to humans remains unclear. See Section 11 of MSDS for additional toxicological data.

Medical Conditions Aggravated by Exposure: Persons with a history of chronic respiratory disease, skin disease, or central or peripheral nervous system disorders may be at increased risk for worsening their conditions from exposure to this product.

Section 4: First Aid Measures

Inhalation: Move person to fresh air. Administer cardiac or pulmonary resuscitation (CPR) if a pulse is not detectable or if unable to breathe. Provide oxygen if breathing is difficult. Obtain immediate medical assistance.

Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Wash with mild soap and running water. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Prevent aspiration. Transport to hospital immediately.

Note to physician: Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

Polygard, Inc.

Manufacturer of Fine Gel-Coats, Distributor of Reichhold Products,
Fiberglass and Associated Items

Dear Customer:

In order to guarantee the safe use of our products and to remain in compliance with OSHA Hazard Communication Program, POLYGARD is pleased to send these Material Safety Data Sheets for your purchased products. These sheets provide information regarding possible health risks, environmental dangers and fire fighting procedures.

To be sure that the enclosed MSDS serves its purpose, please allow your employees access to these sheets and retain them for OSHA requirements.

We look forward to your next order.

Sincerely,

POLYGARD, INC

5010 N. COOLIDGE AVE. • TAMPA, FL 33614
(813) 877-7591 • FLORIDA WATS 1-800-282-6067

1227 HAYES INDUSTRIAL BOULEVARD
MARIETTA, GA 30062-2430 • (404) 423-0280

MATERIAL SAFETY
DATA SHEET

192S

SECTION I

PRODUCT 192S 880113 02/22/95

SYNONYMS NOT AVAILABLE

MANUFACTURER E.I. DU PONT DE NEMOURS & CO., INC
AUTOMOTIVE PRODUCTS DEPARTMENT
WILMINGTON, DELAWARE 19898

DUNS NUMBER 001325704

TELEPHONE MEDICAL EMERGENCY (800) 441-3637
TRANSPORTATION EMERGENCY (800) 424-9300

DOT NAME & CLASS #13150 FLAMMABLE LIQUID

CHEMICAL FAMILY URETHANE ACTIVATOR FORMULA NOT AVAILABLE

GM LOCATIONS USING PRODUCT NOT AVAILABLE

SECTION II INGREDIENTS

CAS NUMBER	NAME	APPROX WEIGHT PERCENT	EXPOSURE LIMITS
28182-81-2	ALIPHATIC POLYISOCYANATE RESIN	LESS THAN 33	SUPPLIE 1.0 (MG/M3) 15 MIN(STEL)
123-86-4	BUTYL ACETATE	LESS THAN 5	SUPPLIE .5 (MG/M3) ACGIH 150.0 (PPM) OSHA 150.0 (PPM) ACGIH 200.0 (PPM) OSHA 200.0 (PPM) 15 MIN(STEL) 15 MIN(STEL)
141-78-6	ETHYL ACETATE	LESS THAN 58	ACGIH 400.0 (PPM) OSHA 400.0 (PPM)
64742-95-6	AROMATIC HYDROCARBON	LESS THAN 6	ACGIH 25.0 (PPM) OSHA 25.0 (PPM) TRIMETHYL BENZENE TRIMETHYL BENZENE

CONFIDENTIAL

* ACGIH - THRESHOLD LIMIT VALUE

Section 313 Supplier Notification

The chemicals listed above with '00' after their percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-to-Know act of 1986 and of 40 CFR 372.

SECTION III PHYSICAL DATA

APPROX BOILING RANGE (C)	76-190
VAPOR PRESSURE PRINCIPAL SOLVENT (MM HG)	76.00
VAPOR DENSITY PRINCIPAL SOLVENT (AIR=1)	3.00
SOLUBILITY IN WATER	NOT SOLUBLE
APPEARANCE AND ODOR	NOT AVAILABLE
SPECIFIC GRAVITY (WATER=1)	.96
PERCENT VOLATILE BY VOLUME	NOT AVAILABLE
PERCENT SOLIDS BY WEIGHT	32.62
EVAPORATION RATE	SLOWER THAN ETHER
PH	Not applicable.
MATERIAL IS A	Liquid.

2.01 #/g

15-10-66795-1

MATERIAL SAFETY
DATA SHEET

1925

SECTION III CONTINUED

1925

02/22/95

V.O.C. THEORETICAL
V.O.C. ANALYTICAL

5.43
Not applicable.

67.8%

SECTION IV FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD)
APPROX FLAMMABLE LIMITS
EXTINGUISHING MEDIA
SPECIAL FIRE FIGHTING PROCEDURES

BETWEEN 20 - 73 F (CC)
LEL .9 % UEL 11.2 %
Foam, carbon dioxide, dry chemical.
Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.
When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

UNUSUAL FIRE AND EXPLOSION HAZARDS

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
EFFECTS OF OVEREXPOSURE

SEE SECTION II
Inhalation: May cause nose and throat irritation. May cause nervous system depression characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated repeated and prolonged overexposure to solvents with brain and nervous system damage.

Ingestion: Gastrointestinal distress.

Skin or eye contact: May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort and dermatitis.

Exposure to isocyanates may cause asthma-like reactions with shortness of breath, wheezing, cough or permanent lung sensitization. This effect may be delayed for several hours after exposure. Individuals with lung or breathing problems or prior reactions to isocyanates must not be exposed to vapors or spray mist of this product.

EMERGENCY AND FIRST AID PROCEDURES

Skin or eye contact: Isocyanates may cause allergic skin reaction.
Inhalation - If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.
Ingestion - In the unlikely event of ingestion, call a physician immediately and have the names of the ingredients available.
Skin contact - Wash with soap and water. If irritation occurs, contact a physician.
Eye contact - Immediately flush with plenty of water for at least 15 minutes; call a physician.

MATERIAL SAFETY
DATA SHEET

1925

SECTION V CONTINUED

1925

02/22/95

OTHER POTENTIAL HAZARDS INCLUDE

ALIPHATIC POLYISOCYANATE RESIN

Repeated exposure may cause allergic skin rash, itching, swelling.
May cause eye irritation with discomfort, tearing, or blurred vision.
Repeated overexposure to isocyanates may cause lung injury, including a decrease in lung function, which may be permanent.
Overexposure may cause asthma-like reactions with shortness of breath, wheezing, cough, which may be permanent; or permanent lung sensitization. This effect may be delayed for several hours after exposure.
Individuals with preexisting lung disease, asthma or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

BUTYL ACETATE

May cause abnormal liver function.
Tests for embryotoxic activity in animals has been inconclusive.
Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

ETHYL ACETATE

Prolonged and repeated high exposures of laboratory animals resulted in secondary anemia with an increase in white blood cells; fatty degeneration, cloudy swelling and an excess of blood in various organs.

AROMATIC HYDROCARBON

Laboratory studies with rats have shown that petroleum distillates cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

PRIMARY ROUTES OF ENTRY

Inhalation.

SECTION VI REACTIVITY DATA

STABILITY
HAZARDOUS POLYMERIZATION

STABLE

Stable in sealed containers. Do not mix enamel and activator until ready to use.

CONDITIONS TO AVOID
INCOMPATIBILITY (MATERIALS TO AVOID)
HAZARDOUS DECOMPOSITION PRODUCTS
CONDITIONS TO AVOID FOR
HAZARDOUS POLYMERIZATION

Not applicable.
Water, alcohols, amines.
CO, CO₂, smoke.

Not applicable.

MATERIAL SAFETY
DATA SHEET

1925

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE
MATERIAL IS RELEASED OR SPILLED

Do not breathe vapors. Do not get in eyes or on skin. Wear positive pressure supplied air vapor/particulate respirator (NIOSH/MSHA TC-19C) if possible, otherwise NIOSH/MSHA TC-23C, eye protection, gloves and protective clothing. Remove ignition sources. Absorb with inert material. Ventilate area. Pour liquid decontamination solution over the spill and allow to sit 10 minutes, minimum. Do not seal waste containers for 48 hours to allow gas to vent. Typical decontamination solutions are:
20% surfactant (Tergitol TMN 10)
80% water

WASTE DISPOSAL METHOD

Or
0-10% ammonia
2-5% detergent
Balance water
Do not allow material to contaminate ground water systems. Burn or dispose of absorbed material in a hazardous waste landfill which complies with Federal, State and local requirements. Do not incinerate in closed containers. If a RCRA hazardous waste, RQ=1 lb. Waste from this product is classified D001 ignitable. If lead or chromium is reported in Section II, waste is then classified epitoxic D008 (lead) or epitoxic D007 (chromium).

CERCLA
RCRA

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Do not breathe vapors or mists. Wear a positive pressure supplied air respirator (NIOSH/MSHA TC-19C) while mixing activator with enamel, during application and until all vapors and spray mist are exhausted. Individuals with a history of lung or breathing problems or prior reaction to isocyanate should not use or be exposed to this product when activated. Do not permit anyone without protection in the painting area. Wear coveralls. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA and other suggested exposure limits.
Not applicable.
Remove ignition sources.
Not applicable.
Neoprene or "Viton" gloves are recommended. Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guard or side shields.
Use appropriate industrial hygiene practices.

VENTILATION: LOCAL

VENTILATION: MECHANICAL
VENTILATION: SPECIAL
VENTILATION: OTHER
PROTECTIVE GLOVES
EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORING

Observe label precautions. Keep away from heat, sparks and

MATERIAL SAFETY
DATA SHEET

SECTION IX CONTINUED

192S

192S

02/22/95

OTHER PRECAUTIONS

EFFECTIVE DATE
COMMENTS
USAGE (VOLUME)

flame. Close container after each use. Ground containers when pouring. Wash thoroughly after handling and before eating and smoking.
Do not sand, flame cut, braze or weld dry coating without a NIOSH/MSHA approved respirator or appropriate ventilation.
02/22/95
Not applicable.
Not applicable.

NOTICE FROM DUPONT

The data in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or any process.

M.S.D.S. APPROVED BY

T.R. LOUER (CONSULTANT - PRODUCT SAFETY)

SECTION I - PRODUCT IDENTIFICATION

Manufacturer/ POLYGARD, INC.
 Distributor 5010 N. COOLIDGE AVENUE
 P.O. BOX 15477
 TAMPA FL 33614
 Information Phone: 813-877-7591
 Emergency Phone: 1-800-424-9300
 CHEMTREC Phone: 1-800-424-9300
 Product Class: RESIN GELCOAT
 Trade Name : INT. B GRAY H-H N/WAX680751
 Product Code : 29132
 C.A.S. Number: N/A
 Customer's No: 28132
 D.C.T. Hazard Class :
 Proper Shipping Name: RESIN SOLUTION
 UN #:

Hazard Ratings: Health - 2
 none to extreme Fire - 3
 0 ---> 4 Reactivity - 2
 Personal Protection - 5

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		
			ACGIH/TLV	OSHA/PEL	VF ppm HG
*STYRENE MONOMER	100-42-5	33.046	50 ppm	50 ppm	5
STEL= 120					

CLASSIFIED AS A POSSIBLE CARCINOGEN

AMORPHOUS SILICA	112945-52-5	24.405	10 ppm	10 ppm	0
CARBON BLACK	1333-36-4	0.161	3.5 mg/M3	3.5 mg/M3	

OVEREXPOSURE TO RESPIRABLE SILICA DUST CAN CAUSE SILICOSIS
 A FORM OF PROGRESSIVE PULMONARY FIBROSIS. CRYSTALLINE SILICA
 IS LISTED BY IARC AS A GROUP 2A CARCINOGEN BASED ON LIMITED
 EVIDENCE IN THE LABORATORY.

THIS PRODUCT IS AN INDIVIDUALIZED PRODUCT. PLEASE CONTACT
 POLYGARD FOR FURTHER INGREDIENT INFORMATION.

* -> These items are listed on the SARA TITLE III Section 313 inventory

SECTION III - PHYSICAL DATA

Boiling Range: 390F Deg. F
 Vapour Density: Heavier than Air.
 Evap. Rate: Slower than n-Butyl Acetate
 Liquid Density: Lighter than Water.
 Volatiles Volume: 450 %
 Wt per gallon: 9-12 Pounds.
 Appearance: LIQUID, STYRENE ODOR
 H.S.D.: NONE

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 3
 Flash Point: 90 F
 LEL: 1.0

-EXTINGUISHING MEDIA:

SMALL FIRES: DRY CHEMICAL, CO2, HALON, WATER SPRAY OR STANDARD FOAM.

LARGE FIRES: WATER SPRAY. FOG OR STANDARD FOAM IS RECOMMENDED.
 MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT
 WITHOUT RISK.

COOL CONTAINERS THAT ARE EXPOSED TO FLAMES WITH

(cont.)

20 gal

680751

=====

SECTION IV - FIRE AND EXPLOSION HAZARD DATA (cont.)

-EXTINGUISHING MEDIA: (cont.)

WATER FROM THE SIDE UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS, FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES: IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

-SPECIAL FIREFIGHTING PROCEDURES:

USE STANDARD GUIDELINES SET BY LOCAL, STATE, FEDERAL, NFPA, CONCERNING THE EXTINGUISHMENT OF HAZARDOUS MATERIALS.

-UNUSUAL FIRE & EXPLOSION HAZARDS:

HIGHLY FLAMMABLE / COMBUSTIBLE MATERIAL; MAY BE IGNITED BY HEAT, SPARKS OR FLAMES. VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE IN HEAT OF FIRE. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

=====

SECTION V - HEALTH HAZARD DATA

-ADMISSIBLE EXPOSURE LEVEL:

STYRENE MONOMER - TWA (50 PPM) \ STEL (100 PPM) \ (5 MG/M3)

MAGNESIUM SILICATE - TLV (2 PPM) \ OSHA PEL (2 PPM)

AMORPHOUS SILICA - OSHA TLV (10 PPM)

-EFFECTS OF OVEREXPOSURE:

STYRENE AT HIGH PPM OR IN A STRONG CONCENTRATION IS IRRITATING TO ALL PARTS OF THE RESPIRATORY TRACT AND EYES. STYRENE VAPOR GENERATION OF POLYESTER RESINS WILL RARELY EXCEED 200 PPM.

RESPIRATORY AGGRAVATION AND DERMATITIS MAY OCCUR.

ROUTES OF EXPOSURE: SKIN AND EYE CONTACT.

INHALATION

INGESTION

SKIN ADSORPTION

-FIRST AID:

REMOVE VICTIM FROM EXPOSURE TO WELL-VENTILATED AREA. MAKE COMFORTABLY WARM BUT NOT HOT.

ASSIST IN VENTILATIONS (ARTIFICIAL RESPIRATIONS) IF NEEDED.

ADMINISTER OXYGEN BY NONREBREATHING MASK.

MONITOR FOR PULMONARY EDEMA AND TREAT AS NECESSARY.

ANTICIPATE SEIZURES AND TREAT AS NECESSARY.

***FLUSH EYE IMMEDIATELY WITH AVAILABLE WATER FOR EYE CONTAMINATION. IN ADULTS, IF LID AND GLOBE ARE INTACT AND WITHOUT EDEMA, EYE IRRIGATION LENS MAY BE USED. DO NOT FORCE LENS; IF UNABLE TO INSERT, DO NOT USE.

(cont.)

 SECTION V - HEALTH HAZARD DATA (cont.)

-FIRST AID: (cont.)

DO NOT USE EMETICS. COVER SKIN WITH DRY STERILE DRESSINGS AFTER DECONTAMINATION.

***PRODUCT MAY CAUSE ACIDOSIS; HYPERVENTILATION MAY BE BENEFICIAL. AVOID EPINEPHRINE AND RELATED COMPOUNDS.

 SECTION VI - REACTIVITY DATA

STABILITY: () Unstable (x) Stable
 HAZARDOUS POLYMERIZATION: (x) May occur () Will not occur
 -INCOMPATIBILITY

-CONDITIONS TO AVOID:

STRONG ACIDS, PEROXIDES AND OTHER OXIDIZING AGENTS.

-HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBONS AND ORGANIC ACID.

 SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

REMOVE SATURATED CLOTHING PROMPTLY AND WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA, USE PROTECTIVE MEASURES IN SECTION 8.

-WASTE DISPOSAL METHOD:

Absorb with inert materials such as vermiculite or sand in a closed container for disposal as a solid waste. Wash area well with trisodium phosphate and water. Disposal must conform to local, state, and federal regulations.

 SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

UP TO 100 PPM NONE; ABOVE 100 PPM: WEAR NIOSH AND MSHA APPROVED RESPIRATORS WHEN HANDLING AND APPLYING THE PRODUCT, THE USE OF A SELF CONTAINED BREATHING APPARATUS (SCBA) MAY ALSO BE USED.

*** IF THE CURED PRODUCT IS SANDED, THE RESULTING DUST CONTAINS SILICA. USE APPROVED RESPIRATORS WHEN SANDING. ****

-VENTILATION:

LOCAL AND MECHANICAL EXHAUST. USE OF EXPLOSION PROOF MOTORS, IS HIGHLY RECOMMENDED.

-PROTECTIVE GLOVES:

NEOPRENE OR NON-SOLUBLE PLASTIC.

-EYE PROTECTION:

USE SAFETY WEAR DESIGNED TO PROTECT AGAINST CHEMICAL SPLASH.

SECTION VIII - SPECIAL PROTECTION INFORMATION: (cont.)

-OTHER PROTECTIVE EQUIPMENT:

SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

HYGIENIC PRACTICES: STANDARD GOOD HOUSEKEEPING AND HEALTH PRACTICES.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

AVOID IMPROPER ADDITION OF PROMOTER AND/OR CATALYST. AVOID DIRECT SUNLIGHT, OPEN FLAMES, CONTAMINATION AND PROLONGED STORAGE ABOVE 100 DEG. (F).

CONSULT PRODUCT TECHNICAL BULLETIN AND READ PRODUCT PACKAGE LABEL. A PROMOTER (METAL ORGANIC SUCH AS COBALT OR ANILINE TYPE) AND CATALYST (ORGANIC PEROXIDE TYPE) USED WITH THIS PRODUCT SHOULD ALWAYS BE MIXED SEPERATELY WITH THE PRODUCT AND SHOULD NEVER BE MIXED TOGETHER.

-OTHER PRECAUTIONS:

*** SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION ***

ONE OR MORE OF THE CHEMICAL SUBSTANCES LISTED IN SECTION II OF THIS MSDS ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR 372.

THIS MATERIAL HAS BEEN CATEGORIZED AS HAVING THE FOLLOWING HAZARD(S) AS DEFINED BY SARA TITLE III REGULATIONS 40 CFR 370: ACUTE, CHRONIC, FIRE, REACTIVE.

*** DOT PROPER SHIPPING NAME ***
RESIN SOLUTION

*** UN NUMBER ***
UN 1866

*** DOT HAZARD CLASS ***
FLAMMABLE LIQUID

*** THIS MATERIAL SAFETY DATA SHEET AND THE INFORMATION IT CONTAINS IS OFFERED TO YOU IN GOOD FAITH AS ACCURATE. WE HAVE REVIEWED ANY INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET (S) WHICH WE RECEIVED FROM SOURCES OUTSIDE OUR COMPANY.

WE BELIEVE THAT INFORMATION TO BE CORRECT BUT CANNOT GUARANTEE ITS ACCURACY OR COMPLETENESS. HEALTH AND SAFETY PRECAUTIONS IN THIS MATERIAL SAFETY DATA SHEET MAY NOT BE ADEQUATE FOR ALL INDIVIDUALS AND OR SITUATIONS.

IT IS THE USER'S OBLIGATION TO EVALUATE AND USE THIS PRODUCT
(cont.)

=====

SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)

SAFELY AND TO COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS. NO STATEMENT MADE IN THIS MATERIAL SAFETY DATA SHEET (S) SHALL BE CONSTRUED AS A PERMISSION OR RECOMMENDATION FOR THE USE OF ANY PRODUCT IN A MANNER THAT MIGHT INFRINGE EXISTING PATENTS. NO WARRANTY IS MADE, EITHER EXPRESS OR IMPLIED.

IT IS THE SOLE INTEREST OF POLYGARD INC. TO MEET AND COMPLY WITH ALL OSHA & EPA REGULATIONS. PLEASE REVIEW THE ENCLOSED MATERIAL SAFETY DATA SHEET (S), IF YOU HAVE ANY QUESTIONS PLEASE CONTACT US IMMEDIATELY. ***

OCCUPATIONAL HEALTH & SAFETY DEPARTMENT
POLYGARD INC.

=====

SECTION X - SECTION X

MATERIAL SAFETY DATA SHEET

MI # 699553
GEL PATCH,
SLOW PATCHAID
(GELCOATS - PRODUCTION)

SECTION I - IDENTIFICATION

TRADE NAME: PATCHAID
DESCRIPTION: FC PATCHAID
PRODUCT CODE IDENTITY: 970C961
NPCA HMIS RATING: H 2 F 3 R 2

REVISION: 02
LAST REVISED: 01-13-97
DATE OF ISSUE: 05-19-97

COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 919 E. 14th AVENUE
NORTH KANSAS CITY, MO 64116

PREPARED BY:
HAZARD COMMUNICATION DEPT.

CUSTOMER NAME: SEA RAY BOATS-MERRITT ISL
220094 100 SEA RAY DR

INFORMATION TELEPHONE:

MERRITT ISLAND FL 32953
ATTENTION: PETE SHARBONNEU

COMPOSITES: 1-800-821-3590
POLYMERS: 1-800-488-5541

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CCP certifies that its products comply with all the provisions of the Toxic Substances Control Act (TSCA), unless otherwise stated by ingredient in Section II.

The percent by weight composition data given in Sections II and ~~III~~ are NOT SPECIFICATIONS, but are based on 'target' formula values for each ingredient in the product. The data are presented as ranges for low hazard ingredients and single point values for ingredients of regulatory concern. Actual batch concentrations will vary within limits consistent with separately established product specifications.

SECTION II INGREDIENTS

1
CAS# 000080-62-6
METHYL METHACRYLATE
PCT BY WT: 47.9490 VAPOR PRESSURE: 29.000 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 100 PPM (410 MG/CU.M.)
OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
LD50, Oral: 7.9 G/KG (RAT)
LD50, Dermal: 35.5 G/KG (RABBIT)
LC50, Inhalation: >12,500 PPM/0.5H (RAT)

2
CAS# 000100-42-5
STYRENE MONOMER
PCT BY WT: 48.0390 VAPOR PRESSURE: 4.500 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 50 PPM (SKIN) (213 MG/CU.M.)
ACGIH TLV/STEL: 100 PPM (SKIN) (426 MG/CU.M.)
OSHA PEL/TWA: 100 PPM
OSHA PEL/CEILING: ACCEPTABLE CEILING CONCENTRATION - 200 PPM
OSHA PEL/STEL: ACCEPTABLE PEAK (5 MIN/3 HR) - 500 PPM MAX.
LD50, Oral: 4.37 G/KG (RAT)
LD50, Dermal: >5 G/KG (RABBIT)
OTHER: LCLO: 5000 PPM/8H (RAT)

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

970C961

3
CAS# 008002-74-2
PARAFFIN WAX
PCT BY WT: 1 - 5 VAPOR PRESSURE: .090 MMHG @ 68F
EXPOSURE LIMIT:
ACGIH TLV/TWA: 2 MG/CU.M. (FUME)
OSHA PEL/TWA: 2 MG.CU.M. (FUME)
LD50, Oral: NOT AVAILABLE
LD50, Dermal: NOT AVAILABLE
LC50, Inhalation: NOT AVAILABLE

SECTION III PHYSICAL DATA

Boiling Range: High- 501.00 F Low- 212.00 F
Vapor Pressure: See Section II
Theoretical Weight per Gallon, Calculated: 7.68200 LB/GL
Theoretical Specific Gravity, Calculated: .9230
Maximum Theoretical VOC, Calculated: 3.6890 lb/gal
--If applicable, see Section IX for further VOC information--
Physical State: LIQUID
Appearance: CLEAR LIGHT YELLOW
Odor: MODERATE AROMATIC
Odor Threshold: -N/A
pH: -N/A
Freezing Point: -N/A
Water Solubility: -N/A
Coefficient of Water/Oil Distribution: -N/A
Mechanical Impact Explosion: -N/A
Static Electricity Explosion: -N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

For Flash Points 23 to 73 deg. F.
OSHA Flammability Classification: Class IB
DOT Flammability Classification: Flammable Liquid
Lowest Closed Cup Flashpoint: 65.00 degrees F
Lower Flammable Limit in Air: Lower- 1.10 % by volume
DOT Shipping Name:
FLAMMABLE LIQUID, N.O.S., 3, UN1993, PG II
(CONTAINS METHYL METHACRYLATE, STYRENE)

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

970C961

EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty), because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffectual. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

****ADDITIONAL TRANSPORTATION INFORMATION:**

NMFC: 43940/SUB 2 CHEMICALS, NOI LTL CLASS 85

SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:**EYE CONTACT:**

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT
Preexisting eye, skin, liver, kidney and respiratory disorders.**EMERGENCY AND FIRST AID PROCEDURES:**

In case of eye contact, flush immediately with copious amount of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65), unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical.

OTHER HEALTH HAZARDS:

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2A "possibly carcinogenic to humans". This new classification is not based on new health data relating to either

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

970C961

humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID:
Elevated temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID):
Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:
Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors and mists are exhausted, unless air monitoring demonstrates vapor and mist levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:
Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits. Refer to OSHA Standard 1910.94.

NOTE: Heavy solvent vapors should be removed from lower levels of the work area and all ignition sources (nonexplosion-proof motors, etc.) should be eliminated.

PROTECTIVE GLOVES:
Use solvent impermeable gloves to avoid contact with product.

EYE PROTECTION:

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

170C961

Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE EQUIPMENT:

Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 100 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:

Containers should be grounded when pouring. Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

SECTION XX Sara Title III Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

This law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

METHYL METHACRYLATE

AS# 000080-62-6 PCT BY WT: 47.9490

STYRENE MONOMER

AS# 000100-42-5 PCT BY WT: 48.0390

DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty, (together with all identifying details, including the Product Code(s), description and date

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

970C961

of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

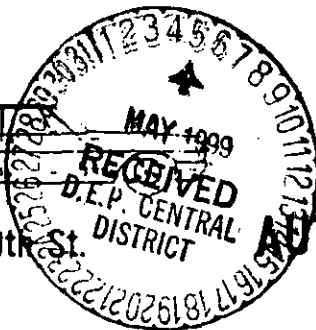
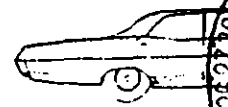
The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

See the following
links for more
information.

APPENDIX 1: THE HISTORY OF THE IRRM

180-655 194274 2715581



MADE-RITE

AUTOBODY PRODUCTS, INC.

216-681-2535

Cleveland, Ohio 44110

9 East 140th St.

MR & BW

Sept. 25, 1985

Ole Sarge Paint & Equipment
809 N. Cocoa Blvd.
Cocoa, FL 32922

Dear Sir,

Per your request our manufacturer submitted the following information:

***** MATERIAL SAFETY DATA SHEET *****

SECTION 1

Product Name: Lakcryl Wheel
Formula Number: 100
Date: 9-23-85

2/9/95
Tom Harris
Park
Chemical
0.28 #/g
2.4%

SECTION 2 - Hazardous Ingredients

Ingredient	%	TLV
Silica 60676-86-0	40/50	20 MPPCF

SECTION 3 - Physical Data

Boiling Point: N.A.	Percent Volatile: >50
Vapor Pressure: N.A.	Evaporation Rate: N.A.
Water Solubility: Apprec.	pH: N.A.
Specific Gravity: 1.4 <i>11.68 #/g</i>	Appearance: N.A.

SECTION 4 - Fire and Explosion Hazard Data

Flash Point: N.A. Flammable Limits: N.A.
 Extinguishing Media: CO2, Water, Foam, Dry Chemical
 Special Fire Fighting Procedures: N.A.
 Unusual Fire and Explosion Hazards: N.A.

SECTION 5 - Health Hazard Data

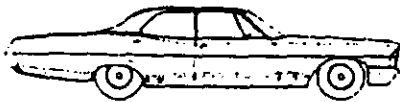
Threshold Limit Value: See Section 2
 Effects of Overexposure: Conjunctivitis, defatting dermatitis, headache, dizziness, fatigue, nausea, burning in mouth, throat & epigastrium
 Emergency and First Aid Procedures: Irrigate eyes with much water. Wash contaminated skin with soap and water. Gastric lavage, if ingested, followed by saline catharsis.

SECTION 6 - Reactivity Data

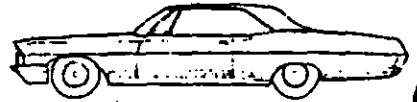
Stability: Yes
 Incompatibility: None Known
 Hazardous Decomposition Products: Silica, CHx, COx
 Hazardous Polymerization: NO

AIR REGULATION
BUREAU OF
JUN 17 1985

RECEIVED



MADE-RITE



9 East 140th St.

AUTOBODY PRODUCTS, INC.

Cleveland, Ohio 44110

216-681-2535

Page 2

SECTION 7 - Spill or Leak Procedures

Spill Information: Sweep up and discard as solid waste.

Waste Disposal: This material is classified as a non-hazardous waste under the resource, conservation and recovery act.

SECTION 8 - Special Protection Information

Respiratory Protection: Dust mask is recommended if used with wheel.

Ventilation: Mechanical ventilation recommended.

Protective Gloves: Recommended

Eye Protection: Recommended

Other Protective Equipment: None usually needed

SECTION 9 - Special Precautions

Handling and Storage Precautions: Store in closed container.

Other Precautions: N.A.

Sincerely,

Robert M. Krupa
General Manager

RECEIVED

JUN 17 1999

BUREAU OF
AIR REGULATION

MATERIAL SAFETY DATA SHEETS

For Coatings, Resins and Related Materials

SECTION I - PRODUCT AND PREPARATION INFORMATION

MANUFACTURER: Rust-Oleum Corporation
ADDRESS: 11 Hawthorn Parkway • Vernon Hills, IL 60061
EMERGENCY AND INFORMATION TELEPHONE: (312) 367-7700 (8:00 a.m. - 5:00 p.m. CDT)
EMERGENCY TELEPHONE: (312) 864-8200 (After Business Hours and on Weekends)

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2123, 2124, 2125, 2133, 2134, 2137, 2143, 2147, 2148, 2155, 2156, 2163, 2164, 2169, 2171, 2172, 2175, 2178, 2179, 2182, 2183, 2187, 2190, 2192 and **(2199)**
TRADE NAME: HARD HAT® Primers and Topcoats
DATE OF PREPARATION: October 5, 1988
PREPARER: Product Safety Coordinator

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS No.	Wt. %	EXPOSURE LIMITS		LEL	mm Hg@20C
		ACGIH-TLV	OSHA-PEL		
Xylo/1330-20-7	15-25%*	100ppm	100ppm	1.2%	8.5
Toluene/108-88-3	10-25%*	100ppm	200ppm	1.2%	22.0
Propellant/68476-88-8 (Propane, Butane, Isobutane)	0-5%*	300ppm	500ppm	0.3%	2.0
Butane, Isobutane	0-5%*	25ppm	50ppm	1.1%	0.9
Isobutane, Isobutene	0-3%*	200ppm	200ppm	2.0%	70.0
Isobutane, Isobutene	30%*	800ppm**	NE	1.8%	85psia
Isobutane, Isobutene	0-15%*	10mg/m	15mg/m	NA	NA

*TLV is established for Butane only. NE - Not Established NA - Not Applicable

SECTION III - PHYSICAL DATA

Boiling Range: Below 0°F
Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower
% Volatile (by vol.): NA
Wt./Gal.: NA
pH: NA
NA - Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: Below 0°F (TCO)
DOT Classification: Consumer Commodity ORM-D
Extinguishing Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)
Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2115
TRADE NAME: HARD HAT® Silver Aluminum
DATE OF PREPARATION: October 5, 1988
PREPARER: Product Safety Coordinator

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS No.	Wt. %	EXPOSURE LIMITS		LEL	mm Hg@20C
		ACGIH-TLV	OSHA-PEL		
Xylo/1330-20-7	1%	100ppm	100ppm	1.2%	8.5
Toluene/108-88-3	50%*	100ppm	200ppm	1.2%	22.0
Propellant/68476-88-8 (Propane, Butane, Isobutane)	30%*	800ppm**	NE	1.8%	85psia

*Nearest 5% **TLV is established for Butane only. NE - Not Established

SECTION III - PHYSICAL DATA

Boiling Range: Below 0°F
Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower
% Volatile (by vol.): NA
Wt./Gal.: NA
pH: NA
NA - Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: Below 0°F (TCO)
DOT Classification: Consumer Commodity ORM-D
Extinguishing Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)
Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2117 and 2185
TRADE NAME: HARD HAT® Zinc-Rich Coatings
DATE OF PREPARATION: October 5, 1988
PREPARER: Product Safety Coordinator

PRODUCT CLASS: Aerosol
MFG. CODE NO.: 2178
TRADE NAME: HARD HAT® High Temperature Black
DATE OF PREPARATION: October 5, 1988
PREPARER: Product Safety Coordinator

SECTION II - HAZARDOUS INGREDIENTS

CAS No.	Wt. %	EXPOSURE LIMITS		LEL	mm Hg@20C
		ACGIH-TLV	OSHA-PEL		
Xylo/1330-20-7	5%*	100ppm	100ppm	1.2%	8.5
Toluene/108-88-3	25%*	100ppm	200ppm	1.2%	22.0
Mineral Spirits/8052-41-3	2%*	100ppm	500ppm	1.0%	2.0
Propellant/68476-88-8 (Propane, Butane, Isobutane)	15%*	800ppm**	NE	1.8%	85psia

*TLV is established for Butane only. NE - Not Established

SECTION III - PHYSICAL DATA

Boiling Range: Below 0°F
Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower
% Volatile (by vol.): NA
Wt./Gal.: NA
pH: NA
NA - Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: Below 0°F (TCO)
DOT Classification: Consumer Commodity ORM-D
Extinguishing Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)
Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS No.	Wt. %	EXPOSURE LIMITS		LEL	mm Hg@20C
		ACGIH-TLV	OSHA-PEL		
Xylo/1330-20-7	10%*	100ppm	100ppm	1.2%	8.5
Toluene/108-88-3	25%*	100ppm	200ppm	1.2%	22.0
Mineral Spirits/8052-41-3	10%*	100ppm	500ppm	1.0%	2.0
Propellant/68476-88-8 (Propane, Butane, Isobutane)	25%*	800ppm**	NE	1.8%	85psia

*Nearest 5% **TLV is established for Butane only. NE - Not Established

SECTION III - PHYSICAL DATA

Boiling Range: Below 0°F
Vapor Density: heavier lighter than air
Evaporation Rate (Ether = 1): faster slower
% Volatile (by vol.): NA
Wt./Gal.: NA
pH: NA
NA - Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: Below 0°F (TCO)
DOT Classification: Consumer Commodity ORM-D
Extinguishing Media: NFPA Class B Extinguishers (carbon dioxide, dry chemical or foam)
Special Fire-Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

SECTION V — HEALTH HAZARD DATA

Effects of Overexposure:

Acute (Inhalation): Harmful if inhaled. May affect the brain and nervous system causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.

Acute (Skin or Eye Contact): Causes eye and skin irritation which can lead to dermatitis with repeated overexposures.

Ingestion: Gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic: Reports have shown repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Toluene and Xylol in lab animals has shown liver abnormalities, kidney, lung, spleen and eye damage as well as anemia. Affects in humans have shown liver and cardiac abnormalities. Ethylene Glycol Butyl Ether may be harmful if absorbed through the skin and has been shown to cause blood abnormalities in lab animals.

Emergency and First Aid Procedures:

Inhalation: Remove from exposure, restore breathing and notify a physician.

Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.

Skin Contact: Wash affected area with soap and water, remove contaminated clothing and wash before reuse.

Ingestion: DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI — REACTIVITY DATA

Stability: Unstable Stable

Incompatible: With Strong Oxidizing Agents

Hazardous Decomposition Products: By Open Flame — Carbon Monoxide and Carbon Dioxide

Hazardous Polymerization: Will Not Occur

SECTION VII — SPILL OR LEAK PROCEDURES

Release or Spill Procedures: Remove all sources of ignition, ventilate area and remove with inert absorbent and nonsparking tools.

Waste Disposal Method: Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. In Confined Areas: Use NIOSH approved supplied-air respirators or hoods (TC19C).

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other Protective Equipment: Use impervious gloves and/or clothing to prevent skin contact.

Ventilation: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

SECTION IX — SPECIAL PRECAUTIONS AND REGULATORY ISSUES

Handling and Storage Precautions: Do not store above 120°F. DO NOT puncture or incinerate containers. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Other Regulations: Pennsylvania/New Jersey Right-To-Know laws — Other ingredients in these products such as resin, pigments and additives are nonhazardous and considered trade secrets under these regulations.

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

TRADE NAME: ARMORCOTE IMC
 DESCRIPTION: ZEPHYR-721126
 PRODUCT CODE IDENTITY: 951NA107
 NPCA HMIS RATING: H 2* F 3 R 2
 REVISION: 03
 LAST REVISED: 03-03-95
 DATE OF ISSUE: 10-24-96
 COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
 ADDRESS: 919 E. 14th AVENUE
 NORTH KANSAS CITY, MO 64116
 PREPARED BY:
 HAZARD COMMUNICATION DEPT.
 CUSTOMER NAME: SEA RAY BOATS-SYKES CREEK
 574791 350 SEA RAY DRIVE
 INFORMATION TELEPHONE:
 COMPOSITES: 1-800-821-3590
 POLYMERS: 1-800-488-5541
 MERRITT ISLAND FL 32953
 ATTENTION:

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

=====
 CCP certifies that its products comply with all the provisions of the
 Toxic Substances Control Act (TSCA), unless otherwise stated by
 ingredient in Section II.
 =====

* * * * *
 *** The percent by weight composition data given in Sections II, ***
 *** and XX are NOT SPECIFICATIONS, but are based on 'target' ***
 *** formula values for each ingredient in the product. The data ***
 *** are presented as ranges for low hazard ingredients and single ***
 *** point values for ingredients of regulatory concern. Actual ***
 *** batch concentrations will vary within limits consistent with ***
 *** separately established product specifications. ***
 * * * * *

SECTION II INGREDIENTS

1
 CAS# 001333-86-4
 CARBON BLACK
 PCT BY WT: .0220
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: 3.5 MG/CU.M.
 OSHA PEL/TWA: 3.5 MG/CU.M.
 LD50, Oral: NOT AVAILABLE
 LD50, Dermal: NOT AVAILABLE
 LC50, Inhalation: NOT AVAILABLE

2
 CAS# 000080-52-6
 METHYL METHACRYLATE
 PCT BY WT: 9.3960 VAPOR PRESSURE: 29.000 MMHG @ 68F
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: 100 PPM (410 MG/CU.M.)
 OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
 LD50, Oral: 7.9 G/KG (RAT)
 LD50, Dermal: 35.5 G/KG (RABBIT)
 LC50, Inhalation: >12.500 PPM/0.5H (RAT)

3
 CAS# 000100-42-5

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

951NA107

STYRENE MONOMER

PCT BY WT: 33.5530 VAPOR PRESSURE: 4.500 MMHG @ 68F
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: 50 PPM (SKIN) (213 MG/CU.M.)
 ACGIH TLV/STEL: 100 PPM (SKIN) (426 MG/CU.M.)
 OSHA PEL/TWA: 100 PPM
 OSHA PEL/CEILING: ACCEPTABLE CEILING CONCENTRATION - 200 PPM
 OSHA PEL/STEL: ACCEPTABLE PEAK (5 MIN/3 HR) - 500 PPM MAX.
 LD50, Oral: 4.37 G/KG (RAT)
 LD50, Dermal: >5 G/KG (RABBIT)
 OTHER: LCLO: 5000 PPM/8H (RAT)

4
 CAS# 014807-96-6
 TALC (HYDROUS MAGNESIUM SILICATE)

PCT BY WT: 5 - 10
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: 2 MG/CU.M. RESPIRABLE DUST
 OSHA PEL/TWA: 2 MG/CU.M. RESPIRABLE DUST
 LD50, Oral: NOT AVAILABLE
 LD50, Dermal: NOT AVAILABLE
 LC50, Inhalation: NOT AVAILABLE

5
 CAS# 068611-44-9
 SILICA, AMORPHOUS-HYDROPHOBIC, FUMED

PCT BY WT: 1 - 5
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: 10MG/CU.M. (TOT. DUST); 5MG/CU.M. (RESPIRABLE FR
 OSHA PEL/TWA: 15MG/CU.M. (TOT. DUST); 5MG/CU.M. (RESPIRABLE FR
 LD50, Oral: >5000 MG/KG (RAT)
 LD50, Dermal: NOT AVAILABLE
 LC50, Inhalation: NOT AVAILABLE

6 P86-0103
 UNSATURATED POLYESTER RESIN
 ON TSCA INVENTORY

PCT BY WT: 30 - 40 CAS# PROPRIETARY
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: NONE ESTABLISHED
 OSHA PEL/TWA: NONE ESTABLISHED

7 P86-0103
 UNSATURATED POLYESTER RESIN
 ON TSCA INVENTORY

PCT BY WT: 1 - 5 CAS# PROPRIETARY
 EXPOSURE LIMIT:
 ACGIH TLV/TWA: NONE ESTABLISHED
 OSHA PEL/TWA: NONE ESTABLISHED

SECTION III PHYSICAL DATA

Boiling Range: High- -N/A F Low- 212.00 F

Vapor Pressure: See Section II

Theoretical Weight per Gallon, Calculated: 8.50440 LB/GL LB

Theoretical Specific Gravity, Calculated: 1.1420

Maximum Theoretical VOC, Calculated: 4.1350 lb/gal

-- If applicable, see Section IX for further VOC information--

Physical State: LIQUID

 COOK COMPOSITES AND POLYMERS CO.
 MATERIAL SAFETY DATA SHEET

951NA107

Appearance: BROWN
 Odor: MODERATE AROMATIC
 Odor Threshold: -N/A
 pH: -N/A
 Freezing Point: -N/A
 Water Solubility: -N/A
 Coefficient of Water/Oil Distribution: -N/A
 Mechanical Impact Explosion: -N/A
 Static Electricity Explosion: -N/A

 SECTION IV FIRE AND EXPLOSION HAZARD DATA

For Flash Points 73 to 100 deg. F.

OSHA Flammability Classification: Class IC

DOT Flammability Classification: Flammable Liquid

Lowest Closed Cup Flashpoint: 79.00 degrees F

Lower Flammable Limit in Air: Lower- 1.10 % by volume

DOT Shipping Name:

Flash Points 73 to 100 deg. F. = RESIN SOLUTION, 3, UN1865, PG III

EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If polymerization takes place in a container, there is possibility of violent rupture of the container. Vapors are uninhibited and may form polymers in vents or flame arrestors of storage tanks resulting in stoppage of vents. Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

**ADDITIONAL TRANSPORTATION INFORMATION:

NMFC: 45030 RESIN COMPOUNDS, LIQUID LTL CLASS 55

 SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:

721126

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

951NA107

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material contains no intentionally-added ingredients, covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" Proposition 65, unless specifically stated under OTHER HEALTH HAZARDS, by individual chemical.

OTHER HEALTH HAZARDS:

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans". This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

Talc. Hydrous Magnesium Silicate, contains crystalline silica at levels greater than 0.1% but less than 1.0%. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Supplement 7, 1987", concludes there is limited evidence for the carcinogenicity of crystalline silica to humans. Class 2A. This classification was based on exposure to free silica dust and should not be relevant to trace amounts of crystalline silica dispersed in paints and plastics.

The IARC evaluation in Monograph 55 concluded that "there is sufficient evidence in experimental animals for the carcinogenicity of Carbon black". Based on this evaluation, along with their evaluation of inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "carbon black is possibly carcinogenic to humans (Group 2B)". Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety and Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with PAH levels greater than 0.1% be considered suspect

 COOK COMPOSITES AND POLYMERS CO.
 MATERIAL SAFETY DATA SHEET

951NA107

carcinogens.

 SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID:

Elevated temperatures. Improper addition of promoter and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If an accelerator such as cobalt drier is to be added, mix this accelerator with base material before adding catalyst.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

 SECTION VII SPILL OR LEAK PROCEDURES

EPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

 SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Do not breathe or ingest vapors, spray mist or dust while applying, sanding, grinding, or sawing cured product. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapor, mist and dust levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits in the mixing, application and curing areas; and to remove decomposition product during welding and flame cutting on surfaces coated with this product. In confined areas, use only with forced ventilation adequate to keep vapor concentration below 20% of lower explosion limits. Refer to OSHA Standards 29CFR 1910.94, 1910.107, 1910.108.

NOTE: Heavy solvent vapors should be removed from lower levels of the work area and all ignition sources (nonexplosion-proof motors, etc.) should be eliminated.

PROTECTIVE GLOVES:

Use solvent impermeable gloves to avoid contact with product.

 COOK COMPOSITES AND POLYMERS CO.
 MATERIAL SAFETY DATA SHEET

951NA107

EYE PROTECTION:

Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE EQUIPMENT:

Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

 SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 100 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:

Containers should be grounded when pouring. Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

 ADDITIONAL ENVIRONMENTAL INFORMATION:

The VOC quantity listed in Section III is a maximum loss value. Under typical conditions only half of this amount might be lost to the atmosphere. Loss will vary due to temperature, humidity, film thickness, air movement, spray equipment/techniques, catalyzation, gel and cure rates, etc. If precise loss values are needed, it is suggested that on site testing be conducted.

 SECTION XX Sara Title III Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

State law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

METHYL METHACRYLATE

CAS# 000080-62-6 PCT BY WT: 9.3960

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

951NA107

STYRENE MONOMER
CAS# 000100-42-5 PCI BY WT: 33.5530

DISCLAIMER AND LIMITATION OF LIABILITY

The products sold hereunder shall meet Seller's applicable specifications at the time of shipment. Seller's specifications may be subject to change at any time without notice to Buyer. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the date of shipment of the product or prior to the expiration of the shipment's quality life, whichever occurs first. THE WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY. EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

The Buyer's sole and exclusive remedy against Seller shall be for the replacement of the product or refund of the purchase price in the event that a defective condition of the product should be found to exist by Seller. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER.

The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the product or refund of the purchase price of the product if any defect in material or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as Seller is willing and able to replace the defective products or refund the purchase price.

Section 6 - HEALTH HAZARD DATA

EFFECTS OF ACUTE OVEREXPOSURE: Can cause skin and eye irritation. Excess inhalation of vapors can cause nasal and respiratory irritation; central nervous system effects include dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Ingestion can cause gastrointestinal irritation, vomiting, diarrhea.

EFFECTS OF CHRONIC OVEREXPOSURE: The International Agency for research on Cancer(IARC) has classified styrene in Group 2B (Possibly Carcinogenic to Humans. This classification is not based on any significant new evidence that styrene may be carcinogenic, but rather on a revised definition for Group 2B and consideration of new data on styrene oxide. A number of lifetime animal studies with styrene including those conducted in the NCI Bioassay Program have not shown styrene to be carcinogenic. There is currently not sufficient evidence to indicate that styrene is carcinogenic to humans.

NOTE: Overexposure to styrene has been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage and lung damage.

PRIMARY ROUTES OF ENTRY: Inhalation, Skin Contact.

FIRST AID:

EYES: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

SKIN WASH: Wash skin & contaminated clothing thoroughly with soap and water.

INHALATION: Remove to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give CPR. Keep person warm, quiet and get medical attention.

INGESTION: Do not induce vomiting. Aspiration into lungs can cause chemical pneumonitis. See a physician.

Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STORAGE: Avoid temperatures of over 100 deg. F.

WASTE DISPOSAL: Dispose in accordance with local, state and federal regulations.

VENTILATION: Provide sufficient ventilation to maintain exposure below TLV for styrene.

PROTECTIVE EQUIPMENT: Normal work clothes covering arms and legs. Gloves and eye protection should also be worn. If concentration levels for styrene are above recommended exposure, organic vapor respirator should be worn. Use appropriate dust mask and eye protection when sanding, cutting or grinding cured materials as nuisance dust may be created.

THE INFORMATION accumulated herein is believed to be accurate but is not warranted to be whether originating with DBF or not. Recipients are advised to confirm in advance of need that the information is current, information is current, applicable, and suitable to their circumstances.

Section 8 - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Can Occur. Avoid exposure to excessive heat, peroxides and polymerization catalysts.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with: strong alkalies, strong mineral acids and oxidizing agents.

CONDITIONS TO AVOID: Exposure to excessive heat or open flame; storage in open containers; long exposure to intense sunlight; contamination with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Low Molecular Weight Hydrocarbons, Organic Acids.

100

Gel Coats (Tooling)
Page 1

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT NAME: HG RETENTION GREEN TOOLING
PRODUCT CODE IDENTITY: 945GA104
NPCA HMIS RATING: H2* F3 R2

7215A8

REVISION: 01
DATE OF MSDS: 06-02-92
DATE PRINTED: 10-06-92

COMPANY NAME: COOK COMPOSITES AND POLYMERS CO.
ADDRESS: 919 E. 14th STREET
NORTH KANSAS CITY, MO 64116

PREPARED BY:
HAZARD COMMUNICATION DEPT.

TRANSPORTATION EMERGENCY TELEPHONE (CHEMTREC): 1-800-424-9300

CUSTOMER NAME: SEA RAY BOAT-PDE
200 SEA RAY DR
MERRITT ISLAND FL 32953

INFORMATION TELEPHONE:
COMPOSITES: 1-800-821-3590
POLYMERS: 1-800-745-5541

*NOTE: We certify that the ingredients in our product(s) comply with all the provisions of the Toxic Substances Control Act (TSCA).

SECTION II HAZARDOUS INGREDIENTS

STYRENE MONOMER

WT: 42.710 VAPOR PRESSURE: 4.50 MMHG @ 68F CAS# 000100-42-5

EXPOSURE LIMIT:
ACGIH TLV/TWA: 50 PPM (SKIN) (215 MG/CU.M.)
ACGIH TLV/STEL: 100 PPM (SKIN) (+25 MG/CU.M.)
OSHA PEL/TWA: 50 PPM (215 MG/CU.M.)
OSHA PEL/STEL: 100 PPM (+25 MG/CU.M.)
LD50, Oral: 4.37 G/KG (RAT)
LD50, Dermal: >5 G/KG (RABBIT)
OTHER: LCLO: 5000 PPM/8H (RAT)

SILICA, AMORPHOUS-SILICA GEL

% BY WT: 1 - 5 CAS# 112926-00-8

EXPOSURE LIMIT:
ACGIH TLV/TWA: 10 MG/CU.M. (TOTAL DUST)
OSHA PEL/TWA: 6 MG/CU.M.
LD50, Oral: NOT AVAILABLE
LD50, Dermal: NOT AVAILABLE
LC50, Inhalation: NOT AVAILABLE

ETHYL METHACRYLATE

% BY WT: 5.000 VAPOR PRESSURE: 29.00 MMHG @ 68F CAS# 000080-62-6

EXPOSURE LIMIT:
ACGIH TLV/TWA: 100 PPM (410 MG/CU.M.)
OSHA PEL/TWA: 100 PPM (410 MG/CU.M.)
LD50, Oral: 7.9 G/KG (RAT)
LD50, Dermal: 35.5 G/KG (RABBIT)
LC50, Inhalation: >12,500 PPM/0.5H (RAT)

SECTION III PHYSICAL DATA

Boiling Range: High- N/A Low- 212.0 F

Vapor Pressure: See Section II

Vapor Density: Heavier Than Air

Evaporation Rate: Slower than Ether

Theoretical Weight per Gallon, Calculated: 9.05

Theoretical Specific Gravity, Calculated: 1.08

Physical State: LIQUID

Appearance: GREEN

Odor: MODERATE AROMATIC

Odor Threshold: N/A

pH: N/A

Freezing Point: N/A

Water Solubility: N/A

Coefficient of Water/Oil Distribution: N/A

Mechanical Impact Explosion: N/A

Static Electricity Explosion: N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA

OSHA Flammability Classification: Class IC

DOT Flammability Classification: Flammable Liquid

Actual Flashpoint Seta Closed Cup: 82.0

Explosion Level: Lower- 1.1

DOT Shipping Name: RESIN SOLUTION, FLAMMABLE LIQUID, UN1866

EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

If polymerization takes place in a container, there is possibility of violent rupture of the container. Styrene vapors are uninhibited and may form polymers in vents or flame arrestors of storage tanks resulting in stoppage of vents. Vapors may cause flash fire. Keep containers tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SPECIAL FIRE FIGHTING PROCEDURES:

protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

SECTION V HEALTH HAZARD DATA

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:

EYE CONTACT:

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

Preexisting eye, skin, liver, kidney and respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If affected by inhalation of vapors or spray mist, remove to fresh air. If swallowed, get medical attention immediately.

This material may contain ingredients covered by the California "Safe Drinking Water and Toxic Enforcement Act of 1986" (Proposition 65).

OTHER HEALTH HAZARDS:

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans". This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene."

SECTION VI REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: May occur.

PRECAUTIONS TO AVOID:

Elevated temperatures. Improper addition of promoter and/or catalyst. Avoid direct contact of MEKP catalyst with accelerator. If an accelerator such as cobalt drier is to be added, mix this accelerator with base material before adding catalyst.

INCOMPATIBILITY (MATERIALS TO AVOID):

Oxidizers, peroxides, strong acids, aluminum chloride and vinyl polymers

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and carbon monoxide.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Do not breathe or ingest vapors, spray mist or dust while applying, sanding, grinding, or sawing cured product. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and other use of this product until vapors, mists and dusts are exhausted, unless air monitoring demonstrates vapor, mist and dust levels are below applicable limits. Follow respirator manufacturer's directions for respirator use. Observe OSHA Standard 29CFR 1910.134.

VENTILATION:

Provide general clean air dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below the lower explosion limit and below current applicable exposure limits in the mixing, application and curing areas; and to remove decomposition product during welding and flame cutting on surfaces coated with this product. In confined areas, use only with forced ventilation adequate to keep vapor concentration below 20% of lower explosion limits. Refer to OSHA Standards 29CFR 1910.94, 1910.107, 1910.108.

NOTE: Heavy solvent vapors should be removed from lower levels of the work area and all ignition sources (nonexplosion-proof motors, etc.) should be eliminated.

PROTECTIVE GLOVES:

Use solvent impermeable gloves to avoid contact with product.

EYE PROTECTION:

Do not get in eyes. Use safety eyewear with splash guards or side shields, chemical goggles, face shields.

OTHER PROTECTIVE EQUIPMENT:

Avoid contact with skin. Use protective clothing. Prevent contact with contaminated clothing. Wash contaminated clothing, including shoes, before reuse.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Do not store above 120 deg. F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

OTHER PRECAUTIONS:

Containers should be grounded when pouring. Do not take internally. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near emptied containers. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. If this product is blended with other components such as thinners, converter, colorants and catalysts prior to use, read all warning labels. Any mixture of components will have hazards of all components. Follow all precautions. If spraying this material, keep spray booths clean. Avoid buildup of spray dust or overspray in booths or ducts.

KEEP OUT OF REACH OF CHILDREN

FOR INDUSTRIAL USE ONLY

ADDITIONAL ENVIRONMENTAL INFORMATION:

Maximum VOC not consumed during curing is 40 gram/liter (or 230 grams/square meter of surface area open to air). Maximum VOC of uncatalyzed resins and gel coats is 600 grams/liter.

SECTION X Sara Title III Information

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

This law requires certain manufacturers to report on annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or require more information, call the EPA Emergency Planning and Community Right-To-Know Hot Line: 800-535-0202 or 202-479-2449.

STYRENE MONOMER		
HS#:	000100-42-5	Weight %: 42.710
METHYL METHACRYLATE		
HS#:	000080-62-6	Weight %: 5.000

DISCLAIMER AND LIMITATION OF LIABILITY

COOK COMPOSITES AND POLYMERS CO.

MATERIAL SAFETY DATA SHEET

DATA SHEET

Page

6

To the best of our knowledge, the information contained herein is accurate.
WARRANTY DESCRIBED HEREIN SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The Buyer's sole and exclusive remedy against seller shall be for the replacement of the products or refund of the purchase price in the event that a defective condition of the products should be found to exist. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOST PROFITS, LOST SALE, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. The sole purpose of this exclusive remedy shall be to provide Buyer with replacement of the products or refund of the purchase price of the products if any defect in materials or workmanship is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as seller is willing and able to replace the defective products or refund the purchase price. Buyer must give Seller notice in writing of any alleged defect covered by this warranty (together with all identifying details, including the Product Code(s), description and date of purchase) within thirty (30) days of the discovery of such defect. Final determination of the suitability of the material for the use contemplated, the manner of use and whether the suggested use infringes any patents is the sole responsibility of the Buyer.

MATERIAL SAFETY DATA SHEET

HEAVY DUTY BONDING PUTTY

DBF Inc.
PO Box 2385
Riverview, MI 48192-1385
(313) 285-1480

723080

Page 1 of 2
DATE: June 1993
24 HR EMERGENCY PHONE#
(800) 424-9300 (Chemtrec)

Section 1 - IDENTITY

PRODUCT NAMES: 60112-20
DOT PROPER SHIPPING NAME: Resin Solution
DOT NUMBER: UN1866
HAZARD CLASSIFICATION: Flammable Liquid
CAS NUMBER: Mixture

Post-It™ brand fax transmittal memo 7671 # of pages 2

To	Laura Doyre	From	Philip Arneto
Co.	Sea Ray Boat	Co.	Arneto + Assoc.
Dept.	Merritt Travo	Phone	(313) 662-0990
Fax	(407) 452-3568	Fax	(313) 662-9100

Section 2 - COMPONENTS

CAS NUMBER	INGREDIENT	PERCENT	ACGIH			OSHA	
			TLV	PEL	RQ	PEL	RQ
MIXTURE	Unsaturated Polyester Base Resin	28-30	-	-	-	-	-
100-42-5	Styrene Monomer	14-16	50ppm	50ppm	1000 lbs	-	-
MIXTURE	Inert Fillers	56-58	*	**	-	-	-

NUISANCE DUST	* ACGIH TLV	** OSHA PEL
Total Dust	10mg/m3	15mg/m3
Respirable Dust	5mg/m3	5mg/m3

Section 3 - PHYSICAL DATA

Boiling Point N/D
Vapor Pressure N/D
Vapor Density (Air=1) 3.6 (For Styrene)
Specific Gravity (H2O=1) 1.4-1.5
Percent Volatile 14-16 (By Weight)
Melting Point N/A
Evaporation Rate (Butyl Acetate=1) Less Than 1 (For Styrene)
Solubility in Water Negligible
Appearance and Odor Thick paste with Styrene odor

Section 4 - SUPPLIER NOTIFICATION

This product contains toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	CHEMICAL NAME	PERCENT
100-42-5	Styrene	14-16

Section 5 - FIRE AND EXPLOSION DATA

Flash Point (Method Used) 89-90 Deg. F Closed cup (SETA)
Flammable Limits for styrene (by volume) LEL 1.1% VEL 6.1%
EXTINGUISHING MEDIA: Foam or Carbon Dioxide or Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus to avoid inhalation of smoke.



28153, 28159, 28164
28165, 28166, 28160

MATERIAL SAFETY DATA SHEET

Product Name: Partall® Film No.10

50055
25-160

SECTION 1 - MANUFACTURER

REXCO
P.O. BOX 4430
SANTA BARBARA, CA 93140

P/N 761346

PVA green

HAZARD RATING

0 LEAST	HEALTH	2
1 SLIGHT		
2 MODERATE	FIRE	3
3 HIGH		
4 EXTREME	REACTIVITY	0

Date Prepared: April 7, 1992

D.O.T. Shipping Name: Alcohol N.O.S. (Ethyl Alcohol Mixture); Flammable Liquid U.N. 1987 N.M.F.C. 42690-2

Emergency Telephone No.: ChemTrec 1-800-424-9300

Other Calls: Rexco 1-800-888-1060

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical/Common Name	OSHA/PEL	ACGIH/TLV	CAS NO.
Ethyl Alcohol	1000	1000	64-17-5

2/9/95
30-40%

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 158 - 220°F. Specific Gravity (H₂O=1): 0.914 ^{1.638/g} Vapor Pressure (mm Hg): 28.67

Solubility in Water: Complete Reactivity in Water: No Vapor Density (Air=1): 1.2

Appearance and Odor: Clear or Green liquid/Alcohol V.O.C.# (By Percent Calculation): 404g/l ^{3.37#/g}
44.2%

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: 70°F. T.C.C. Flammable Limits in Air % By Volume: LEL Lower 3.3% UEL Upper 18.7%

Auto Ignition: 670°F. Extinguisher Media: Use Foam, CO₂, Or Dry Chemical.

Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for Fire Fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire and Explosion Hazards: Low flash point. Keep work areas free of hot metal surfaces and other sources of ignition.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable Conditions To Avoid: Open flames, hot surfaces, or any ignition source.

Incompatibility: This product is incompatible with strong oxidizing agents, strong acids or bases, alkali metals, halogens and strong alkalis.

Hazardous Decomposition Products: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide. Above 200° c, acetaldehyde, crotonaldehyde and acetone.

Hazardous Polymerization: Will not occur.

DISCLAIMER:

All information appearing herein concerning our product is based upon tests and data believed to be reliable; however it is the users responsibility to determine the safety, toxicity, and suitability of the product for their own use. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Rexco as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Rexco assume any liability arising out of the use by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary when particular conditions exist or because of applicable laws or government regulations.

SECTION 6 - HEALTH HAZARDS

PARTALL® Film No.10

Acute Health Effects and Routes of Potential Entry, Plus Symptoms of Overexposure

- 1. Inhalation:** Irritates eye, nose, throat, and respiratory tract. May cause central nervous system depression, including one or more of the following: Headache, Dizziness, Incoordination, unconsciousness.
- 2. Skin:** Exposure to liquid can cause defatting, drying and irritation.
- 3. Eyes:** Irritation to Conjunctiva.
- 4. Ingestion:** Gastrointestinal irritation, blindness, dizziness, headache, nausea and vomiting leading to severe illness, unconsciousness and perhaps even death.

Chronic Health Effects:

Classic alcohol symptoms including bizarre behavior, slurred speech and lack of coordination.
Possible liver and kidney damage. Defatting of skin, chronic conjunctivitis, central nervous system depression.

Symptoms of exposure:

Overexposure to fumes: light headed, nauseous.

Medical Conditions Generally Aggravated By Exposure:

Preexisting eye, skin, central nervous system or respiratory disorders may be aggravated by exposure to this product.

Chemicals Listed As Carcinogen Or Partial Carcinogen: National Toxicology Program: NO I.A.R.C. Monographs: NO OSHA: NO

Routes Of Entry (Emergency And First Aid Procedures)

- 1. Inhalation:** If light headed or having breathing difficulties expose victim to fresh air and/or oxygen. If breathing stops, begin artificial respiration and seek medical attention.
- 2. Skin:** Wash with soap and water. If irritation from contact persists, seek medical attention.
- 3. Eyes:** Flush immediately with cold water for 15 minutes, and seek medical attention.
- 4. Ingestion:** If this product is swallowed, induce vomiting if the victim is conscious. seek immediate medical attention.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling And Storage:

Store away from open flames, heat and sparks. Store only in areas approved for Flammable Liquids. Repack only into D.O.T. approved glass, polyethylene or epoxy lined metal containers. If transferred, all new containers must contain product labels required for proper identification, safety, handling and storage.

Other Precautions:

Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent areas cool. Avoid spreading burning liquid with water used for cooling purposes. Empty containers may contain vapors that are Flammable and/or Explosive.

In Case Of Spill: Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers. Small amounts of spilled material may be absorbed with any standard absorbent.
CAUTION! FLOORS COVERED WITH RESIDUAL MATERIAL BECOME EXTREMELY SLIPPERY WHEN WET.

Waste Disposal: Consult federal, state and local regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION AND CONTROL MEASURES

Respiratory: The use of respiratory protection depends on vapor concentrations above the time-weighted TLV. Use a NIOSH approved cartridge respirator or gas mask.

Ventilation: Local exhaust (Explosion Proof Ventilation).

Protective Gloves: Impermeable gloves for sensitive individuals.

Eye Protection: Safety glasses, goggles or face shield.

Protective Equipment: Eye washes and safety showers are recommended in work area.

Hygienic Practices: Contaminated clothing should be removed and washed in hot water with soap.

MATERIAL SAFETY DATA SHEET

10-110

761643

DBF Inc.
PO Box 2385
Riverview, MI 48192-1385
(313) 285-1480

Page 1 of 2
DATE: August 1993
24 HR EMERGENCY PHONE#
(800) 424-9300 (Chemtrec)

Section 1 - IDENTITY

PRODUCT NAMES: 60112-LV

DOT PROPER SHIPPING NAME: Resin Solution
DOT NUMBER: UN1866
HAZARD CLASSIFICATION: Flammable Liquid
CAS NUMBER: Mixture

Section 2 - COMPONENTS

CAS NUMBER	INGREDIENT	PERCENT	ACGIH TLV	OSHA PEL	RQ
	Unsaturated Polyester Base Resin	28-30	-	-	-
100-42-5	Styrene Monomer	14-16	50ppm	50ppm	1000 lbs
	Inert Fillers	56-58	*	**	-

HAZARDOUSNESS DUST	* ACGIH TLV	** OSHA PEL
Total Dust	10mg/m3	15mg/m3
Respirable Dust	5mg/m3	5mg/m3

Section 3 - PHYSICAL DATA

Boiling Point	N/D
Vapor Pressure	N/D
Vapor Density (Air=1)	3.6 (For Styrene)
Specific Gravity (H2O=1)	1.4-1.5
Percent Volatile	14-16 (By Weight)
Melting Point	N/A
Evaporation Rate (Butyl Acetate=1)	Less Than 1 (For Styrene)
Solubility in Water	Negligible
Appearance and Odor	Thick paste with Styrene odor

Section 4 - SUPPLIER NOTIFICATION

This product contains toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	CHEMICAL NAME	PERCENT
100-42-5	Styrene	14-16

Section 5 - FIRE AND EXPLOSION DATA

Flash Point (Method Used) 89-90 Deg. F Closed cup (SETA)
Flammable Limits for styrene (by volume) LEC 1.1% VEL 6.1%
EXTINGUISHING MEDIA: Foam or Carbon Dioxide or Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH/MSHA approved self-contained breathing apparatus to avoid inhalation of smoke.

DBF, INC.
P.O. BOX 2385
RIVERVIEW, MICHIGAN 48192
(313) 285-1480

PRODUCT INFORMATION

60112-LV

GENERAL INFORMATION:

60112-LV is a thixotropic paste. This product was designed to be high in viscosity but to allow ease of incorporation of the MEK Peroxide. 60112-LV was designed to provide a product with a twelve pound wt/gallon and able to be pumped through equipment that develops too much pressure for other light weight products.

GENERAL PROPERTIES:

Viscosity:	Pourable
Catalyst:	MEK Peroxide
Shelf life:	3-4 months
Pot life	18 - 22 minutes with 1% MEK Peroxide at 77 deg.F.
Sp. Gr.:	1.4 to 1.5
Wt/gal.	12 to 12.5 pounds
Chemically:	Polyester resin and fillers
Flash point:	Closed cup 89 to 90 deg.F.

USES FOR 60112-LV

- Power craft (OEM and repair)
- Sail boats
- Yachts
- Mobile homes
- Travel trailers
- Truck cab
- Automotive
- Most other fiber glass applications

Caution: Use with adequate ventilation. Keep away from heat, sparks or open flames. If taken internally, induce vomiting and consult a physician.

Notice: This information is presented in good faith, but no warranty expressed or implied is given. The information, to our best knowledge, is true and accurate, but all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control.

aim Supply

MATERIAL SAFETY DATA SHEET

REMOVER & THINNER 138

ITW Devcon, 8501 Delport Drive, St. Louis, Missouri 63114
Emergency Telephone No.: (800) 424-9300 (CHEMTREC); Other calls: (314) 423-0100

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM RATINGS:

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 1
DY138

REVISED: January 16, 1991

15-120-

SECTION 1. PRODUCT IDENTITY

789719

TRADENAME: REMOVER & THINNER 138
CHEMICAL FAMILY: Ester-alcohol mixture

OTHER PRODUCT INFORMATION: Remover & Thinner 138 is a blend of solvents.

SECTION 2. HAZARDOUS INGREDIENTS

INGREDIENT(S)	WEIGHT PCT.	CAS NO.	TLV-TWA 1,2	Notes
Denatured ethyl alcohol (EtOH) Moderate eye irritant; severe skin irritant; flammable	78 >60	64175	1000 ppm	
n-Butyl acetate (BuOAc) Moderate skin irritant; severe eye irritant; flammable	19 10-30	123866	150 ppm	
Methyl isobutyl ketone Skin and eye irritant; flammable	3 1-5	108101	50 ppm	TC

- "TLV" means the Threshold Limit Value exposure (8-hour time-weighted average, unless otherwise noted) established by ACGIH.
- "OSHA PEL" refers to the Permissible Exposure Limits for airborne contaminants as specified in 29 CFR 1900.1000.
- "N/E" indicates that neither TLV nor OSHA Permissible Exposure Limit has been established.

NOTES: A1--human carcinogen. A2--suspect carcinogen. C--ceiling limit (not a TWA). D--the TLV applies to dusts; this ingredient is not a dust as sold in our product. S--absorption through skin may be a significant route of exposure. "TC" indicates a "Toxic Chemical" subject to the reporting requirements of SARA Section 313 (40 CFR Sec. 372).

SECTION 3. PHYSICAL PROPERTIES

BOILING POINT (F): 165 VAPOR DENSITY (Air=1): >1
 MELTING POINT (F): n/d SPECIFIC GRAVITY: 0.824 6.88 #/g
 PERCENT SOLIDS BY WEIGHT: 0 EVAPORATION RATE (BuA=1): >1
 PH (5% by weight in water): neutral APPEARANCE AND ODOR: Colorless liquid with sweet solvent odor. SOLUBILITY IN WATER: Appreciable
 VAPOR PRESSURE (mmHg): 63 at 68 F
 VOLATILE ORGANIC COMPOUNDS (VOC): 6.8 (lb/gal (EPA Reference Method 26) NOTE: "n/d" = "not determined"

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 57 F; METHOD: TCC EXPLOSIVE LIMITS IN AIR: Lower--0.8; Upper--19
 EXTINGUISHING MEDIA: Water CO2 Dry chemical Foam Alcohol foam
 no yes yes yes no
 SPECIAL FIREFIGHTING PROCEDURES: Fire fighters should wear self contained breathing apparatus. Water may be used to cool fire exposed containers.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along ground, or be moved by ventilation & be ignited by ignition source.

SECTION 5. HEALTH HAZARD DATA

EMERGENCY AND FIRST AID PROCEDURES--

EYES: Flush with water for 15 minutes. Contact a physician.
 SKIN: Wash affected area with soap and water. If irritation persists contact a physician.
 INHALATION: Remove patient to fresh air. If breathing is difficult, administer oxygen.
 INGESTION: Do not induce vomiting. If vomiting occurs, keep patient's head below hips. Give plenty of water or milk. Call physician.

SECTION 5. HEALTH HAZARD DATA (cont'd)

TOXICITY DATA--Oral LD50 (rat): In mg/kg: 7060 (EtOH); 14000 (BuOAc)
Dermal LD50 (rabbit): No data
Inhalation LC50 (rat): 8000 ppm (BuOAc); Exposure time: 4 hours

SYMPTOMS OF ACUTE OVEREXPOSURE--

EYES: Moderate irritant
SKIN: Moderate irritant
INHALATION: High concentrations of vapors may produce irritation of the respiratory tract, headache, dizziness, and nausea.
INGESTION: Similar to inhalation.

EFFECTS OF CHRONIC OVEREXPOSURE: Prolonged repeated overexposure to this product may lead to skin sensitization or dermatitis.

MEDICAL CONDITIONS WHICH EXPOSURE MAY AGGRAVATE: Respiratory conditions; skin disorders.

CARCINOGENICITY--OSHA regulated? no
National Toxicology Program? no
Ingredient(s) listed: None
ACGIH no
International Agency for Research on Cancer? no

SECTION 6. REACTIVITY DATA

STABILITY: Chemically stable
Conditions to avoid: Heat, sparks, and open flames.
Materials to avoid: Strong oxidizing agents.
Hazardous decomposition products: Oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: will not occur.
Conditions to avoid: None

SECTION 7. SPILL OR LEAK PROCEDURES

SPILL CONTROL: Remove all ignition sources and ventilate the area. Wear personal protective equipment. Use absorbent material such as sand or vermiculite. Place waste in sealed containers and remove to a federal or state approved disposal facility.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

Applicable CERCLA/RCRA Hazardous Waste Codes: DD01 (Ignitability)
Reportable Quantity under CERCLA, in pounds: 100

SECTION 8. PROTECTIVE EQUIPMENT

EYES: Safety glasses or goggles.
SKIN: Chemical resistant rubber gloves and long sleeved clothing.
RESPIRATORY: None required for normal use with adequate ventilation. In poorly ventilated areas, use NIOSH approved organic vapor respirator.
VENTILATION: General mechanical ventilation is adequate for normal use. Local exhaust may be required if vapor concentrations above the TLV are generated.

SECTION 9. PRECAUTIONS FOR STORAGE, HANDLING, ETC.

---Keep away from heat, sparks, and open flames.
---Use with adequate ventilation.

PROPER SHIPPING NAME: Paint (Containers < 1 pint are ORN-D) 1263
D.O.T. HAZARD CLASS: Flammable liquid

TW Devcon bases the information and recommendations in this document on data believed to be correct. No warranty of any kind, however, is made as to the information in this document.

For *System* product
82738

MATERIAL SAFETY DATA SHEET



ASHLAND CHEMICAL, INC.

Subsidiary of Ashland Oil Inc
P.O. BOX 2219
COLUMBUS, OHIO 43216
(614) 889-3333

24-HOUR
Emergency
Telephone
1 (800) 274-5263
1 (800) ASHLAND

001879

ISOPROPYL ACETATE

25-100-18000-790ATT

Page

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: ISOPROPYL ACETATE
CAS NUMBER: 108-21-4

SEA-RAY BOATS INC
100 SEA RAY DR
MERRITT ISLAND FL 32963

05 50 093 7988090-

PRODUCT: 3500000
INVOICE: 704845
INVOICE DATE: 08/09/94
TO: SEA-RAY BOATS INC
100 SEA RAY DR
MERRITT ISLAND

Data Sheet No: 0003720-003.000
Prepared: 07/19/94
Supersedes: 05/25/94
Print Date: 08/13/94

ATTN: PLANT MGR./SAFETY DIR.

FL 32963

SECTION I - PRODUCT IDENTIFICATION

General or Generic ID: ESTER

DOT Hazard Classification: 3 (FLAMMABLE LIQUID)

SECTION II - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	Percent	PEL	TLV	Note
ISOPROPYL ACETATE CAS #: 108-21-4	>95	250 PPM	250 PPM	(1)

Notes:

(1) OSHA/ACGIH SHORT TERM EXPOSURE LIMIT (STEL) FOR ISOPROPYL ACETATE IS 310 PPM.

SECTION III - PHYSICAL DATA

Boiling Point	for PRODUCT	181.00 Deg F 82.77 Deg C 760.00 mm Hg
Vapor Pressure	for PRODUCT	47.50 mm Hg 68.00 Deg F 20.00 Deg C
Specific Vapor Density	AIR = 1	3.50
Specific Gravity		.873 68.00 Deg F 20.00 Deg C
Percent Volatiles		100.00%
Evaporation Rate	(N-BUTYL ACETATE = 1)	5.00

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT(TCC) 35.0 Deg F (1.7 Deg C)

EXPLOSIVE LIMIT (PRODUCT) LOWER - 1.8% UPPER - 8.0%

EXTINGUISHING MEDIA: ALCOHOL FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS; CARBON DIOXIDE AND CARBON MONOXIDE, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

WATER MAY NOT BE EFFECTIVE FOR FIGHTING FIRES

WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT.

SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 3 REACTIVITY- 0

SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL 250 PPM

THRESHOLD LIMIT VALUE 250 PPM

EFFECTS OF ACUTE OVEREXPOSURE:

EYES - EXPOSURE TO LIQUID OR VAPOR CAUSES EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, AND SWELLING.

MATERIAL SAFETY
DATA SHEET

ASHLAND CHEMICAL, INC.

Subsidiary of Ashland Oil Inc.
P.O. BOX 2219
COLUMBUS, OHIO 43216
(614) 889-3333

24-HOUR
Emergency
Telephone
1 (800) 274-5263 or
1 (800) ASHLAND

001879

ISOPROPYL ACETATE

Page: 2/

SECTION V-HEALTH HAZARD DATA (Continued)

SKIN - EXPOSURE MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING, DRYING AND CRACKING, AND SKIN BURNS. PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
SKIN ABSORPTION IS POSSIBLE, BUT HARMFUL EFFECTS ARE NOT EXPECTED FROM THIS ROUTE OF EXPOSURE UNDER NORMAL CONDITIONS OF HANDLING AND USE.
BREATHING - EXPOSURE TO VAPOR OR MIST IS POSSIBLE.
SHORT-TERM INHALATION TOXICITY IS LOW. BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; BREATHING LARGE AMOUNTS MAY BE HARMFUL.
SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS. SYMPTOMS OF EXPOSURE MAY INCLUDE:
-IRRITATION (NOSE, THROAT, RESPIRATORY TRACT)- PRE-EXISTING LUNG DISORDERS, E.G. ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
-TIGHTNESS IN THE CHEST-
-COUGH-
-CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS)-
SWALLOWING - SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.
SYMPTOMS MAY INCLUDE:
-GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA)-
-IMPAIRED COORDINATION-

FIRST AID:

IF ON SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRY CLOTHING BEFORE REUSE.
IF IN EYES: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.
IF SWALLOWED: SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH THE HEAD DOWN. IF INDIVIDUAL IS CONSCIOUS AND ALERT, INDUCE VOMITING BY GIVING SYRUP OF IPECAC OR BY GENTLY PLACING TWO FINGERS AT THE BACK OF THE THROAT. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.
IF BREATHED: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION; KEEP PERSON WARM AND QUIET. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION, SKIN CONTACT, EYE CONTACT

EFFECTS OF CHRONIC OVEREXPOSURE:

THERE ARE NO DATA AVAILABLE FOR ASSESSING CARCINOGENIC RISK RESULTING FROM EXPOSURE TO THIS MATERIAL.

THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN LABORATORY ANIMALS, AND MAY AGGRAVATE PRE-EXISTING DISORDERS OF THESE ORGANS IN HUMANS: LIVER DAMAGE

SECTION VI-REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: STRONG OXIDIZING AGENTS, STRONG BASES

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PREVENT FROM SPREADING. IF RUNOFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED. PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE PRODUCT. TRANSFER CONTAMINATED ABSORBENT, SOIL AND OTHER MATERIALS TO CONTAINERS FOR DISPOSAL.

PER GOOD ENVIRONMENTAL MANAGEMENT PRACTICES, PREVENT RUN-OFF TO SEWERS, STREAMS AND OTHER BODIES OF WATER. STOP SPILL AT THE SOURCE. COVER SEWER GRATES AND DIKE THE SPILL. ABSORB SPILLED MATERIAL ON TO ABSORBENTS. SHOVEL MATERIALS INTO CONTAINER. CLOSE CONTAINER TIGHTLY AND DISPOSE OF PROPERLY.

WASTE DISPOSAL METHOD:

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION I), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST), ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

MATERIAL SAFETY
DATA SHEET

ASHLAND CHEMICAL, INC.

Subsidiary of Ashland Oil, Inc.
P.O. BOX 2219
COLUMBUS, OHIO 43216
(614) 889-3333

24-HOUR
Emergency
Telephone
1 (800) 274-5263 or
1 (800) ASHLAND

DEFINITIONS

This definition page is intended for use with Material Safety Data Sheets supplied by the Ashland Chemical Company. Recipients of these data sheets should consult the OSHA Safety and Health Standards (29 CFR 1910), particularly subpart G - Occupational Health and Environmental Control, and subpart I - Personal Protective Equipment, for general guidance on control of potential Occupational Health and Safety Hazards.

SECTION IPRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: Chemical family or product description.

DOT HAZARD CLASSIFICATION: Product meets DOT criteria for hazards listed.

SECTION II
COMPONENTS

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CARCINOGEN by NTP, IARC, or OSHA as of the date on the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible Exposure Limits (PELS) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) appear on the line with the component identification. Other recommendations appear as footnotes.

SECTION III
PHYSICAL DATA

BOILING POINT: Of product if known. The lowest value of the components is listed for mixtures.

VAPOR PRESSURE: Of product if known. The highest value of the components is listed for mixtures.

SPECIFIC VAPOR DENSITY: Compared to AIR = 1. If the Specific Vapor Density of a product is not known, the value is expressed as lighter or greater than air.

SPECIFIC GRAVITY: Compared to WATER = 1. If Specific Gravity of product is not known, the value is expressed as less than or greater than water.

pH: If applicable.

PERCENT VOLATILES: Percentage of material with initial boiling point below 425 degrees Fahrenheit and vapor pressure above 0.1mm Hg at 68 F.

EVAPORATION RATE: Indicated as faster or slower than ETHYL ETHER, unless otherwise stated.

SECTION IV
FIRE AND EXPLOSION DATA

FLASH POINT: Method identified.

EXPLOSION LIMITS: For product if known. The lowest value of the components is listed for mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS: Known or expected hazardous products resulting from heating, burning or other reactions.

SECTION IV (cont.)

EXTINGUISHING MEDIA: Following National Fire Protection Association criteria.

FIREFIGHTING PROCEDURES: Minimum equipment to protect firefighters from toxic products of vaporization, combustion or decomposition in fire situations. Other firefighting hazards may also be indicated.

SPECIAL FIRE AND EXPLOSION HAZARDS: States hazards not covered by other sections.

NFPA CODES: Hazard ratings assigned by the National Fire Protection Association.

SECTION V
HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LIMIT: For product.

THRESHOLD LIMIT VALUE: For product.

EFFECTS OF ACUTE OVEREXPOSURE: Potential local and systemic effects due to single or short term overexposure to the eyes and skin or through inhalation or ingestion.

EFFECTS OF CHRONIC OVEREXPOSURE: Potential local and systemic effects due to repeated or long term overexposure to the eyes and skin or through inhalation or ingestion.

FIRST AID: Procedures to be followed when dealing with accidental overexposure.

PRIMARY ROUTE OF ENTRY: Based on properties and expected use.

SECTION VI
REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Conditions to avoid to prevent hazardous polymerization resulting in a large release of energy.

STABILITY: Conditions to avoid to prevent hazardous or violent decomposition.

INCOMPATIBILITY: Materials and conditions to avoid to prevent hazardous reactions.

SECTION VII
SPILL OR LEAK PROCEDURES

Reasonable precautions to be taken and methods of containment, clean-up and disposal. Consult federal, state and local regulations for accepted procedures and any reporting or notification requirements.

SECTION VIII
PROTECTIVE EQUIPMENT TO BE USED


Protective equipment which may be needed when handling the product.

SECTION IX
SPECIAL PRECAUTIONS OR OTHER COMMENTS

Covers any relevant points not previously mentioned.

ADDITIONAL COMMENTS

Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations.

MATERIAL SAFETY DATA SHEET		ASHLAND CHEMICAL, INC. <small>Subsidiary of Ashland Oil, Inc.</small> P.O. BOX 2219 COLUMBUS, OHIO 43216 (614) 889-3333	24-HOUR Emergency Telephone 1(800) 274-5263 1(800) ASHLAND
-------------------------------	---	--	--

001879

ISOPROPYL ACETATE

Page

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED (Continued)

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER).

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. CONSULT YOUR SAFETY REPRESENTATIVE.

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID). ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.


WARNING!!! SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES. PUBLISHED "AUTOIGNITION" OR "IGNITION" TEMPERATURE VALUES CANNOT BE TREATED AS SAFE OPERATING TEMPERATURES IN CHEMICAL PROCESSES WITHOUT ANALYSIS OF THE ACTUAL PROCESS CONDITIONS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

01/06/95 12:54

SEA RAY MERRITT ISLAND → 2594165

NO. 740 P002

MATERIAL SAFETY DATA SHEET		ASHLAND CHEMICAL, INC. <small>Subsidiary of Ashland Oil, Inc.</small> P.O. BOX 2219 COLUMBUS, OHIO 43216 (614) 889-3333	24-HOUR Emergency Telephone 1 (800) 274-5263 1 (800) ASHLAND
-------------------------------	---	---	--

ENVIRONMENTAL HEALTH and
SAFETY DEPARTMENT
PRODUCT INFORMATION SERVICES GROUP

SEA-RAY BOATS, INC.
100 SEA RAY DR.
MERRITT ISLAND

FL 32953

05 50 093 7988090-

ATTN: PLANT MGR./SAFETY DIR.

Dear Customer:

Ashland Chemical, Inc. provides its customers with a material safety data sheet for each product purchased.

The material safety data sheet is addressed to the attention of the Plant Manager/Safety Director and is mailed to the invoice address and the ship to address when that is different. You should direct the material safety data sheet to those responsible for managing or designing operations involving the product and to those who use, handle or may be exposed to it. If you would like the MSDS to be sent to an additional location, please address a request with a copy of page one of the MSDS to Ashland Chemical at the address above.

If you resell Ashland Chemical products, the Occupational Safety and Health Act (OSHA) requires you to forward the information contained on the MSDS to your customers. If you sell products in the containers received from Ashland without alteration, you should forward the MSDS received from Ashland Chemical to your customers. If you repackage the products with your label before resale, you should use the MSDS received from Ashland Chemical as a resource in preparing your own MSDS to send to your customers. For blends the component MSDS should be used as a resource in preparing your MSDS for your product. If your product is packaged for sale to the consumer market, (household or institutional users), you should consult the Consumer Product Safety Act and all other applicable laws or regulations as additional warning requirements may apply.

Ashland Chemical is committed to providing accurate health and safety information on the products that we manufacture or distribute. We appreciate your continued business and cooperation.

195-65-
810820

**MATERIAL SAFETY DATA SHEET
PROTECTO FLEX**

MAY BE USED TO COMPLY WITH OSHA HAZARD COMMUNICATION STANDARD (HSC) 29
CFR 1910. 1200. STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.
HMIS RATINGS (SCALE 0-4): HEALTH-1 FLAMMABILITY-4 REACTIVITY-0
NFPA RATINGS (SCALE 0-4): TOXICITY-1 FIRE-4 REACTIVITY-0

=====
SECTION I - PRODUCT IDENTIFICATION
=====

PRODUCT NAME: PROTECTO FLEX EFFECTIVE DATE: 12-13-94
GENERIC NAME: AEROSOL METAL PARTS PROTECTOR MSDS CODE: 1271D
SUPPLIERS NAME: WEICHEM INC. EMERGENCY PHONE #: (504) 733-1152
SUPPLIERS ADDRESS: 5734 SUSITNA DRIVE
HARAHAN LA 70123
PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D

=====
SECTION II - HAZARDOUS INGREDIENTS
=====

EMICAL NAME	CAS NO.	TLV	PEL	APPROX. % WT.
PARAFFINIC HYDROCARBON	64742-48-9	400	400	
OXYGENATED HYDROCARBON	N/A	N/A	N/A	
LIQUIFIED PETROLEUM GAS	68476-85-7	1000 PPM	1000 PPM	

=====
SECTION III - PHYSICAL DATA
=====

BOILING POINT (F): N/D SPECIFIC GRAVITY: @ 75 DEG. F: 0.730
VAPOR PRESSURE: PSIG @ 70 VAPOR DENSITY: >1
DEG. F: 50 6.09 #/G

VOLATILES BY VOLUME IN CAN: (TOTAL VOC): 50%
SOLUBILITY IN WATER OF CONCENTRATE: SLIGHT
FLASH POINT OF CONCENTRATE: 45 DEG. F (T.O.C.)
PHYSICAL DESCRIPTION: DARK BROWN, LIQUID, SOLVENT ODOR.

=====
SECTION IV - FIRE AND EXPLOSION HAZARDS
=====

FLAMMABILITY: AS PER CPSC FLAME EXTENSION TEST EXTREMELY FLAMMABLE SPRAY
FLAMMABLE LIMITS: Lower: N/A Upper: N/A
EXTINGUISHING MEDIA: FOAM, DRY MEDIA, CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. COOL FIRE
EXPOSED CONTAINERS TO PREVENT RUPTURING.

MATERIAL SAFETY DATA SHEET
PROTECTO FLEX

UNUSUAL FIRE AND EXPLOSION HAZARDS:
EXPOSURE TO TEMPERATURES ABOVE 120 DEG. F MAY CAUSE BURSTING.

SECTION V - REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID: DO NOT EXPOSE TO TEMPERATURES ABOVE 120 DEG F.

INCOMPATIBILITY(materials to avoid): AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? X SKIN? X INGESTION? X

EFFECTS OF OVER EXPOSURE: ACUTE AND CHRONIC

INHALATION: INHALATION OF MIST CAN CAUSE IRRITATION OF NASAL AND RESPIRATORY PASSAGES. ABUSIVE OR EXCESSIVE INHALATION MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT, DIZZINESS, NAUSEA, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

IN CONTACT/ABSORPTION: FREQUENT OR PROLONGED CONTACT MAY IRRITATE.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS. MINIMAL TOXICITY.

EYES: MAY CAUSE SLIGHT IRRITATION BUT DOES NOT INJURE EYE TISSUE.

CARCINOGENICITY? NO

TP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

EMERGENCY AND FIRST AID PROCEDURES:

EYES AND SKIN: EYES: FLUSH WITH LARGE AMOUNTS OF COOL RUNNING WATER FOR AT LEAST 15 MINUTES WHILE HOLDING UPPER AND LOWER LIDS OPEN. IF IRRITATION PERSISTS GET MEDICAL ATTENTION IMMEDIATELY.
SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ATTENTION IMMEDIATELY. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION.

INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

02/1995

-2-

MSDS CODE: 1271D

MATERIAL SAFETY DATA SHEET
PROTECTO FLEX

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:
ALLOW PROPELLANT TO EVAPORATE. MAINTAIN LOCAL EXHAUST AND ADEQUATE VENTILATION. NO SMOKING. KEEP SPARKS, HEAT SOURCES AND OPEN FLAME FAR AWAY FROM SPILL OF LEAK. COVER WITH ABSORBENT MATERIAL AND SWEEP UP. WASH AREA TO PREVENT SLIPPING. DISPOSE OF SOAKED ABSORBENT MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS.

WASTE DISPOSAL METHOD:

AEROSOL CANS, WHEN EMPTIED AND DEPRESSURIZED THROUGH NORMAL USE, POSE NO DISPOSAL HAZARD AND SHOULD BE RECYCLED. CONSULT FEDERAL, STATE, OR LOCAL AUTHORITIES FOR APPROVED PROCEDURES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: NONE NEEDED FOR PROPER USE IN ACCORDANCE WITH LABEL DIRECTIONS.

EYE: NONE NEEDED UNLESS IT IS ANTICIPATED THAT A SPLASH OR SPRAYBACK WILL OCCUR, THEN WEAR SAFETY GLASSES.

SKIN: GLOVES: NONE NEEDED FOR PROPER USE IN ACCORDANCE WITH LABEL DIRECTIONS. USE CHEMICAL RESISTANT GLOVES IF HAND CONTACT WILL BE MADE.

OTHER: DON'T EAT, DRINK OR SMOKE IN WORK AREA. WASH HANDS BEFORE EATING.

VENTILATION REQUIREMENTS: PROVIDE LOCAL EXHAUST TO KEEP TLV OF SECTION II INGREDIENTS BELOW ACCEPTABLE LIMITS.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DO NOT STORE AT TEMPERATURES ABOVE 120 DEG F.

SPECIAL PRECAUTIONARY STATEMENTS:

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. STORE IN A COOL, DRY AREA AWAY FROM HEAT OR OPEN FLAME.

**MATERIAL SAFETY DATA SHEET
PROTECTO FLEX**

NOTICE: WE BELIEVE THAT THE INFORMATION CONTAINED ON THIS MATERIAL SAFETY DATA SHEET IS ACCURATE. THE SUGGESTED PROCEDURES ARE BASED ON EXPERIENCE AS OF THE DATE OF PUBLICATION. THEY ARE NOT NECESSARILY ALL INCLUSIVE NOR FULLY ADEQUATE IN EVERY CIRCUMSTANCE. ALSO THE SUGGESTIONS SHOULD NOT BE CONFUSED WITH NOR FOLLOWED IN VIOLATION OF APPLICABLE LAWS, REGULATIONS, RULES OR INSURANCE REQUIREMENTS. NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE.

AEROSOL PRODUCTS PRESENT A LIMITED HAZARD DURING STORAGE OR USE IF LABEL PRECAUTIONS ARE FOLLOWED. INTENTIONAL MIS-USE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL, OR FATAL. PRESSURIZED CONTAINERS MUST NOT BE EXPOSED TO TEMPERATURES ABOVE 120 DEG F AND SPRAY SHOULD NOT BE DIRECTED TOWARD FACE OR EYES, OPEN FLAME OR OTHER SOURCE OF IGNITION.

N/D = NOT DETERMINED

N/A = NOT AVAILABLE