ANHEUSER-BUSCH COMPANIES

February 5, 1992

Ms. Teresa Heron
Bureau of Air Regulation
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Metal Container Corporation - Gainesville Lid Plant, DER File No. AC01-185835

The continued availability of the end sealant currently used at the Gainesville Lid Plant is questionable. In order to have an available alternative, if needed, Metal Container Corporation requests approval from the Department to use a different end sealant compound/solvent combination. In order to change end sealant, the plant's lid customer must test and approve lids having the new compound. Metal Container Corporation will produce 25 million lids, or about eight days production, for this "trial".

The proposed compound has a lower VOC content and a lower density than the compound currently being used in production. Its n-hexane content of 26% is also lower than that of the current compound (30%). An additional solvent that is mist applied to clean the lid liners is required with this compound. MSDS's for the compound and the solvent are attached, as well as an EPA VOC Data Sheet for the compound.

The attached spreadsheet shows that there will be no increase in emissions during the trial run above the emissions from production of the same quantity of lids using the current compound.

Metal Container Corporation requests approval from the Department to utilize the additional required solvent during the compound trial run. Given the urgency in obtaining customer approval of the new compound, a rapid response to this letter would be greatly appreciated.

Sincerely,

ANHEUSER-BUSCH COMPANIES

D. E. Pusch
Environmental Affairs

DEP/tms
Attachment

Anheuser-Busch Companies Inc
Executive Offices
One Busch Place
St. Louis MO U.S.A. 63118-1852
Telex 44-7191 ANHEUSCH STL

2/11

Cleve & John:

Do you see any problem with this compound, regarding toxics? Let me know. Bepp

2/10/92

Teresa

This looks OK!

I agree with you

Peter

Teresa

No obvious new air toxics problems

FJG
2/13

ANHEUSER-BUSCH COMPANIES

January 10, 1992

Ms. Teresa Heron
Bureau of Air Quality Management
Department of Environmental Regulations
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, Florida 32301

Re: **Metal Container Corporation -**
Gainesville Lid Plant
Permit No. AC 01-185835

Dear Ms. Heron:

In order to optimize production capabilities at its Gainesville Lid Plant, Metal Container Corporation plans to operate three conversion presses as part of Module 6 and two conversion presses as part of Module 7. The plant configuration, identified in the referenced permit and the application, shows two presses on Module 6 and three on Module 7.

There will be no change in facility production or emissions that were proviously represented and that are allowed by the permit. The only change is relocation of one conversion press and "reassignment" of it's emissions to Module 6 from Module 7.

A marked up version of the emissions summary table (originally submitted to DER April 25, 1991) is attached to show the "exchange" of the conversion press to Module 6 from Module 7. Also attached is a marked up version of Specific Condition 3 of the permit that reflects the switch in emission limits.

Please call me at 314/577-4162 if you have any questions.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Dean E. Pusch
Sr. Environmental Scientist
Attachment
cc: T. Heron
A. Kutyna, NE Dist.
J. Harper, EPA

Anheuser-Busch Companies Inc
Executive Offices
One Busch Place
St Louis, MO U.S.A. 63118-1852
Telex 447 [illegible] ANHEUSCH STL

Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1. ~~Steve Smallwood~~
2. Attf
3.
4.

Remarks:

Permit amendment letter for your signature.

From: C Jones

Date 2/11

Phone

METAL CONTAINER CORPORATION
GAINESVILLE LID PLANT
MODERNIZATION PROJECT

VOC Emissions Basis

estimates based on conversion press capacity

press operating efficiency	95 %
annual operation	360 days
usage rates	1989 & 1990 actual

Specifications

module	conversion presses	speed	lids/min	annual production
7	~~3~~ 2	1800	~~5400~~ 3600	~~2.659 billion~~ 1.773 billion
6	~~2~~ 3	1800	~~3600~~ 5400	~~1.773 billion~~ 2.659 billion
5	3	1800	5400	2.659 billion
4	2	1200	2400	1.182 billion
off-line	2	1800	3600	1.773 billion
	total		20400	10.047 billion

Coating/Solvent Specifications

compound	typical mfg ident	density [lb/gal]	VOC content [wt frax]	usage rate [gal/1000lids]
end sealant	DM 2140	7.82	0.405	0.0169
tab lube	J-G 3810	6.35	0.945	0.0047
solvents	Texsolve C	5.84	1.000	0.0023
	Amsco 1241	6.32	1.000	0.0002

VOC Emissions

		pounds/hr	tons/yr
Module 7			
	end sealant	18.7	76.8
	tab lube	~~9.1~~ 6.1	~~37.5~~ 25.0
	Texsolve C	4.7	19.3
	Amsco 1241	~~0.4~~ 0.3	~~1.6~~ 1.1
	total	~~32.9~~ 29.8	~~135.2~~ 122.1

		pounds/hr	tons/yr
Module 6			
	end sealant	18.7	76.8
	tab lube	~~6.1~~ 9.1	~~25.0~~ 37.5
	Texsolve C	4.7	19.3
	Amsco 1241	~~0.3~~ 0.4	~~1.1~~ 1.6
	total	~~29.8~~ 32.9	~~122.1~~ 135.2
Module 5			
	end sealant	18.7	76.8
	tab lube	9.1	37.5
	Texsolve C	4.7	19.3
	Amsco 1241	0.4	1.6
	total	32.9	135.2
Module 4			
	end sealant	9.4	38.4
	tab lube	4.1	16.7
	Texsolve C	2.3	9.6
	Amsco 1241	0.2	0.7
	total	15.9	65.4
Off-line Conversion Presses			
	end sealant	0.0	0.0
	tab lube	6.1	25.0
	Texsolve C	0.0	0.0
	Amsco 1241	0.3	1.1
	total	6.4	26.1
Entire Facility			
	end sealant	65.5	268.7
	tab lube	34.5	141.7
	Texsolve C	16.4	67.5
	Amsco 1241	1.5	6.0
	total	117.9	483.9

09-Jan-92
01:33 PM

SPECIFIC CONDITIONS:

2. The acceptable ambient concentrations (AAC) levels for the following pollutants shall not be exceeded:

Pollutant	No-Threat Levels (ug/m3) 8-hr	24-hr	Annual
n-hexane	1,800	430	--
n-heptane	32,000	15,238	--
cyclohexane	1,000	238	--
cyclohexylmethane	32,000	7,619	--
toluene	--	--	2,000
benzene	--	--	0.123
stoddard solvent	5,250	1,250	--

3. The total permitted VOC emissions from coatings and organic solvents shall not exceed the following limits:

	lbs/hr	tons/yr
Module 4	15.9	65.4
Module 5	32.9	135.2
Module 6	~~29.8~~ 32.9	~~122.1~~ 135.2
Module 7	~~32.9~~ 29.8	~~135.2~~ 122.1
Off-line Conversion Presses	6.4	26.1
Entire Facility	118	484

Operating Requirements

4. This facility is allowed to operate continuously (8760 hours per year).

5. The permitted materials and utilization rates are as stated in the application. These rates include but are not limited to:

- A maximum annual production of 10.047 billion lids.
- A maximum usage rate (all coatings and solvents) of 0.0241 gallons/1000 lids.
- A maximum input rate of 9450 lbs/hr aluminum shell and tab stock.

METAL CONTAINER CORPORATION
GAINESVILLE LID PLANT
END COMPOUND TRIAL

VOC Emissions Basis

lid production	25 million
usage rates	1989 & 1990 actual

Coating/Solvent Specifications

compound	typical mfg ident	density [lb/gal]	VOC content [wt frax]	usage rate [gal/1000lids]
proposed				
end sealant	Darex S 9384	7.80	0.392	0.0169
tab lube	J-G 3810	6.35	0.945	0.0047
solvents	Texsolve C	5.84	1.000	0.0023
	Amsco 1241	6.32	1.000	0.0002
	Exxon Isopar H	6.33	1.000	0.0003
current				
end sealant	DM 2140	7.82	0.405	0.0169
tab lube	J-G 3810	6.35	0.945	0.0047
solvents	Texsolve C	5.84	1.000	0.0023
	Amsco 1241	6.32	1.000	0.0002

VOC Emissions

	Emissions from Production of 25 million Lids (in tons)	
	Proposed	Current
end sealant	0.646	0.669
tab lube	0.353	0.353
solvents	0.206	0.183
total	1.204	1.205

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
COATING SUPPLIER
VOC DATA SHEET

Coating Manufacturer: W. R. Grace & Company, Dewey and Almy Chemical Division

Coating Identification: DAREX EXP CMPD S9384

Batch Identification: ---

Supplied To: Metal Container Corporation

Properties of the coating as supplied* to the customer:

A. Coating Density $(D_c)_s$: 7.8 lb/gal 0.9 kg/l

(ASTM D1475)

B. Total Volatiles $(W_v)_s$: 39.5 Weight Percent

☐ ASTM D2369 ☒ Other**

C. Water Content: 1. $(W_w)_s$ 0.3 Weight Percent

☐ ASTM D3792 ☐ ASTM D4017 ☒ Other**

2. $(V_w)_s$ 0.3 Volume Percent

☒ Calculated ☐ Other**

D. Organic Volatiles $(W_o)_s$: 39.2 Weight Percent

E. Nonvolatiles Content $(V_n)_s$: 46.3 Volume Percent

F. VOC Content $(VOC)_s$: 3.1 lb/gal less water 0.4 kg/l less water

and

6.7 lb/gal solids 0.8 kg/l solids

Remarks: All values have been calculated based on formulation and processing information. The actual solvent density has been used to calculate VOC content in lb/gal. solids.

*The subscript "s" denotes each value is for the "as supplied" coating.
**Method identified under "Remarks".

Signed: C. A. Meeder Date: 9/24/91

SAFETY DATA

W. R. GRACE & CO. - CONN.
DEWEY AND ALMY CHEMICAL DIVISION
55 HAYDEN AVENUE
LEXINGTON, MA 02173

EMERGENCY PHONE NO. (617) 861-6600

SECTION I - IDENTIFICATION

PRODUCT (TRADE) NAME: DAREX CMPD S9384

General Chemical Description: Solvent-based sealant

SECTION II-INGREDIENTS

Hazardous Ingredients	% by Weight	Maximum Exposure Value (ppm) (8 hour time-weighted average) OSHA PEL*	ACGIH TLV**
n-hexane	26 approx.	50	50
other hexanes	10 approx.	500 (1000 STEL)	500 (1000 STEL)
ethyl alcohol	4 approx.	1000	1000

* 29 CFR Section 1910.1000, July 1, 1991
** 1991-1992 recommendation, American Conference of Governmental Industrial Hygienists

Other Ingredients	% by Weight
Rubber, resin, filler, pigment, and modifiers (including water).	60 approx.

SECTION III-PHYSICAL DATA

Vapor density of n-hexane (air=1): 3.0 Specific Gravity (water=1): 0.9 approx

Solubility in water: not soluble Volatiles, including water (% by weight): 40 approx.
Appearance and Odor: Gray liquid; petroleum solvent odor

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: below 20°F (Pensky-Martens)
Flammable Limits (n-hexane): 1.1 - 7.5%
Extinguishing Media: Carbon dioxide, dry chemical, foam.

Fire-fighters should wear the usual protective gear, self-contained breathing apparatus.

Combustion will result in the release of the usual decomposition products including oxides of carbon.

SECTION V-REACTIVITY DATA

Product is stable; hazardous polymerization will not occur.
Incompatible with strong oxidizers.

SAFETY DATA

DAREX CMPD S9384

SECTION VI-SPILL OR LEAK PROCEDURES

Handling Precautions: See Section VIII.

For small spills: Wipe up, or absorb with sand or other absorbent material. Collect waste in sealed containers.
For large spills: Dike area to prevent spreading. Shovel or pump to drum or salvage tank. Absorb residual material with sand, or other absorbent material.

Use only clean-up equipment approved for flammable materials and areas.
Dispose of as a flammable material in accordance with current local, state, and Federal regulations.

EPA Hazardous Waste Number is: D001

SECTION VII-HEALTH HAZARD DATA

Threshold Limit Values: See Section II.

	Signs & Symptoms of Acute Exposure	Emergency First Aid Procedures
Inhalation:	Vapors can produce headache, nausea, dizziness, disorientation, numbness in fingers and toes, and irritation of nose and throat.	Remove to fresh air.
Eyes:	Irritation upon direct contact.	Immediately flush eyes with water for at least 15 minutes; get medical attention.
Skin:	Irritation upon direct contact.	Wash affected area with water; if irritation occurs and persists, get medical attention. Remove contaminated clothing.
Ingestion:	Harmful if swallowed.	Dilute with water or milk; do not induce vomiting; get medical attention.

Chronic Effects: Prolonged or repeated overexposure to the solvent system by inhalation can produce central nervous system depression and/or nerve damage. Prolonged o repeated overexposure by skin contact can produce dermatitis.

Medical Conditions Aggravated by Overexposure: Preexisting nervous system disorders and skin diseases may be aggravated.

GET MEDICAL ATTENTION IF SYMPTOMS PERSIST

SAFETY DATA

DAREX CMPD S9384

SECTION VIII-SPECIAL PRECAUTIONS

Handling and Storing

- Wear neoprene gloves and protective clothing if direct contact likely; wear eye protection.
- Avoid skin and eye contact. Avoid breathing vapors.
- Treat as flammable material. Keep away from heat, sparks, and open flames.
- Avoid static electricity - ground containers when transferring product.
- Relieve possible internal pressure in container before opening by partially unscrewing bung.
- Vapors are heavier than air and will settle and collect in low areas and pits, displacing breathing air. Provide adequate ventilation to protect from these hazards and to keep below maximum exposure values.
- Empty containers retain hazardous product residues, both liquid and vapor.
- Keep container closed when not in use.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

ISOPAR H

PAGE: 1
DATE PREPARED: MAY 22, 1991
NO.: 92839640

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: ISOPAR H

CHEMICAL NAME:
Not Applicable; Blend CAS 64742-48-9

CHEMICAL FAMILY:
Synthetic Isoparaffinic Hydrocarbon

PRODUCT DESCRIPTION:
Clear colorless liquid.

EMERGENCY TELEPHONE NUMBERS: EXXON CHEMICAL AMERICAS 713-870-6000
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is hazardous as defined in 29 CFR1910.1200.
OSHA HAZARD
Combustible

For additional information see Section 3.

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:
Slightly irritating but does not injure eye tissue.

SKIN CONTACT:
Frequent or prolonged contact may irritate and cause dermatitis.
Low order of toxicity.
Skin contact may aggravate an existing dermatitis condition.

INHALATION:
High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION:
Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Minimal toxicity.

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:
Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

INHALATION:
Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:
300 ppm total hydrocarbon based on composition.

PRECAUTIONS

SPECIAL PRECAUTIONS:
Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION:
For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:
The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

CHRONIC EFFECTS:
Laboratory animal studies have shown that prolonged and repeated inhalation exposure to light hydrocarbon vapors in the same naphtha boiling range as this product can produce adverse kidney effects in male rats. However, these effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species. Additionally, in a number of human studies, there was no clinical evidence of such effects at normal occupational levels. It is therefore highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below recommended vapor limits in the workplace.

CHRONIC TOXICITY DATA IS AVAILABLE UPON REQUEST

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 120 Deg F. METHOD: TCC NOTE: Minimum
FLAMMABLE LIMITS: LEL: 0.6 UEL: 7.0
AUTOIGNITION TEMPERATURE: 660 Deg F. NOTE: Greater than;ASTM D 2155

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

GENERAL HAZARD:
Combustible Liquid, can form combustible mixtures at temperatures at or above the flashpoint.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge .
"Empty" containers retain product 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, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.
Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING:
Use water spray to cool fire exposed surfaces and to protect personnel.
Isolate "fuel" supply from fire.
Use foam, dry chemical, or water spray to extinguish fire.
Avoid spraying water directly into storage containers due to danger of boilover.
This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

HAZARDOUS COMBUSTION PRODUCTS:
No unusual

SECTION 5 SPILL CONTROL PROCEDURE

LAND SPILL:
Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) notify the National Response Center.
Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.
Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL:
Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

SECTION 6 NOTES

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704
HEALTH	2	2
FLAMMABILITY	2	2
REACTIVITY	1	1

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

SECTION 7 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

DOT PROPER SHIPPING NAME:
PETROLEUM NAPHTHA, Combustible Liquid UN 1255

DOT HAZARD CLASS: Combustible Liquid

DOT IDENTIFICATION NUMBER: UN 1255

NAME: Naphtha, petroleum

TSCA:

This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:
Delayed Health, Fire.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
0.76 at 60 6.3

SOLUBILITY IN WATER, WT. % AT °F:
Less than 0.10 at 68

SP. GRAV. OF VAPOR, at 1 atm (Air=1):
5.51

EVAPORATION RATE, n-Bu Acetate=1:
0.1

VAPOR PRESSURE, mmHg at °F:
1 at 68
3 at 100

VISCOSITY OF LIQUID, CST AT °F:
1 at 77
2 at 61

FREEZING/MELTING POINT, °F:
Less than 32

BOILING POINT, °F:
335 to 380 Approximately

FLASH POINT
120°F

MW = 152

EXXON CALLED 1/1

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

ISOPAR H

DATE PREPARED: MAY 22, 1991
NO.: 92839640

SECTION 9 REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS TO AVOID INSTABILITY:
Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
None

SECTION 10 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:
Yes, use proper grounding procedure

STORAGE TEMPERATURE, °F:
Ambient

LOADING/UNLOADING TEMPERATURE, °F:
Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:
Atmospheric

VISC. AT LOADING/UNLOADING TEMP., cST:
2

REVISION SUMMARY:
Since MAY 9,1991 this MSDS has been revised in Section(s):
3, 4

REFERENCE NUMBER:	DATE PREPARED:	SUPERSEDES ISSUE DATE:
HDHA-C-25036	May 22,1991	May 9,1991

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6885

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
COATING SUPPLIER
VOC DATA SHEET

Coating Manufacturer: W. R. Grace & Company, Dewey and Almy Chemical Division

Coating Identification: DAREX EXP CMPD S9384

Batch Identification: ---

Supplied To: Metal Container Corporation

Properties of the coating as supplied* to the customer:

A. Coating Density $(D_c)_s$: 7.8 lb/gal 0.9 kg/l

(ASTM D1475)

B. Total Volatiles $(W_v)_s$: 39.5 Weight Percent

☐ ASTM D2369 ☒ Other**

C. Water Content: 1. $(W_w)_s$ 0.3 Weight Percent

☐ ASTM D3792 ☐ ASTM D4017 ☒ Other**

2. $(V_w)_s$ 0.3 Volume Percent

☒ Calculated ☐ Other**

D. Organic Volatiles $(W_o)_s$: 39.2 Weight Percent

E. Nonvolatiles Content $(V_n)_s$: 46.3 Volume Percent

F. VOC Content $(VOC)_s$: 3.1 lb/gal less water 0.4 kg/l less water

and

6.7 lb/gal solids 0.8 kg/l solids

Remarks: All values have been calculated based on formulation and processing information. The actual solvent density has been used to calculate VOC content in lb/gal. solids.

*The subscript "s" denotes each value is for the "as supplied" coating.
**Method identified under "Remarks".

Signed: C. A. Meeder Date: 9/24/91

SAFETY DATA

W. R. GRACE & CO. - CONN.
DEWEY AND ALMY CHEMICAL DIVISION
55 HAYDEN AVENUE
LEXINGTON, MA 02173

EMERGENCY PHONE NO. (617) 861-6600

SECTION I - IDENTIFICATION

PRODUCT (TRADE) NAME: DAREX CMPD S9364

General Chemical Description: Solvent-based sealant

SECTION II-INGREDIENTS

Hazardous Ingredients	% by Weight	Maximum Exposure Value (ppm) (8 hour time-weighted average) OSHA PEL*	ACGIH TLV**
n-hexane	26 approx.	50	50
other hexanes	10 approx.	500 (1000 STEL)	500 (1000 STEL)
ethyl alcohol	4 approx.	1000	1000

* 29 CFR Section 1910.1000, July 1, 1991
** 1991-1992 recommendation, American Conference of Governmental Industrial Hygienists

Other Ingredients	% by Weight
Rubber, resin, filler, pigment, and modifiers (including water).	60 approx.

SECTION III-PHYSICAL DATA

Vapor density of n-hexane (air=1): 3.0 Specific Gravity (water=1): 0.9 approx

Solubility in water: not soluble Volatiles, including water (% by weight): 40 approx.
Appearance and Odor: Grey liquid; petroleum solvent odor

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point: below 20°F (Pensky-Martens)
Flammable Limits (n-hexane): 1.1 - 7.5%
Extinguishing Media: Carbon dioxide, dry chemical, foam.

Fire-fighters should wear the usual protective gear, self-contained breathing apparatus.

Combustion will result in the release of the usual decomposition products including oxides of carbon.

SECTION V-REACTIVITY DATA

Product is stable; hazardous polymerization will not occur.
Incompatible with strong oxidizers.

SAFETY DATA

DAREX CMPD S9384

SECTION VI-SPILL OR LEAK PROCEDURES

Handling Precautions: See Section VIII.

For small spills: Wipe up, or absorb with sand or other absorbent material. Collect waste in sealed containers.
For large spills: Dike area to prevent spreading. Shovel or pump to drum or salvage tank. Absorb residual material with sand, or other absorbent material.

Use only clean-up equipment approved for flammable materials and areas.
Dispose of as a flammable material in accordance with current local, state, and Federal regulations.

EPA Hazardous Waste Number is: D001

SECTION VII-HEALTH HAZARD DATA

Threshold Limit Values: See Section II.

	Signs & Symptoms of Acute Exposure	Emergency First Aid Procedures
Inhalation:	Vapors can produce headache, nausea, dizziness, disorientation, numbness in fingers and toes, and irritation of nose and throat.	Remove to fresh air.
Eyes:	Irritation upon direct contact.	Immediately flush eyes with water for at least 15 minutes; get medical attention.
Skin:	Irritation upon direct contact.	Wash affected area with water; if irritation occurs and persists, get medical attention. Remove contaminated clothing.
Ingestion:	Harmful if swallowed.	Dilute with water or milk; do not induce vomiting; get medical attention.

Chronic Effects: Prolonged or repeated overexposure to the solvent system by inhalation can produce central nervous system depression and/or nerve damage. Prolonged o repeated overexposure by skin contact can produce dermatitis.

Medical Conditions Aggravated by Overexposure: Preexisting nervous system disorders and skin diseases may be aggravated.

GET MEDICAL ATTENTION IF SYMPTOMS PERSIST

SAFETY DATA

DAREX CMPD S9384

SECTION VIII-SPECIAL PRECAUTIONS

Handling and Storing

- Wear neoprene gloves and protective clothing if direct contact likely; wear eye protection.
- Avoid skin and eye contact. Avoid breathing vapors.
- Treat as flammable material. Keep away from heat, sparks, and open flames.
- Avoid static electricity - ground containers when transferring product.
- Relieve possible internal pressure in container before opening by partially unscrewing bung.
- Vapors are heavier than air and will settle and collect in low areas and pits, displacing breathing air. Provide adequate ventilation to protect from these hazards and to keep below maximum exposure values.
- Empty containers retain hazardous product residues, both liquid and vapor.
- Keep container closed when not in use.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

ISOPAR H

DATE PREPARED: MAY 22, 1991
NO.: 92839640

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: ISOPAR H

CHEMICAL NAME:
Not Applicable: Blend CAS 64742-48-9

CHEMICAL FAMILY:
Synthetic Isoparaffinic Hydrocarbon

PRODUCT DESCRIPTION:
Clear colorless liquid.

EMERGENCY TELEPHONE NUMBERS: EXXON CHEMICAL AMERICAS 713-870-6000
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is hazardous as defined in 29 CFR1910.1200.

OSHA HAZARD
Combustible

For additional information see Section 3.

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:
Slightly irritating but does not injure eye tissue.

SKIN CONTACT:
Frequent or prolonged contact may irritate and cause dermatitis.
Low order of toxicity.
Skin contact may aggravate an existing dermatitis condition.

INHALATION:
High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION:
Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Minimal toxicity.

FIRST AID

EYE CONTACT:
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:
Flush with large amounts of water; use soap if available.
Remove grossly contaminated clothing, including shoes, and launder before reuse.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

INHALATION:
Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

ACUTE TOXICITY DATA IS AVAILABLE UPON REQUEST.

WORKPLACE EXPOSURE LIMITS

EXXON RECOMMENDS THE FOLLOWING OCCUPATIONAL EXPOSURE LIMITS:
300 ppm total hydrocarbon based on composition.

PRECAUTIONS

SPECIAL PRECAUTIONS:
Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION:
For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION:
The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

CHRONIC EFFECTS:
Laboratory animal studies have shown that prolonged and repeated inhalation exposure to light hydrocarbon vapors in the same naphtha boiling range as this product can produce adverse kidney effects in male rats. However, these effects were not observed in similar studies with female rats and male and female mice and in limited studies with other animal species. Additionally, in a number of human studies, there was no clinical evidence of such effects at normal occupational levels. It is therefore highly unlikely that the kidney effects observed in male rats have significant implications for humans exposed at or below recommended vapor limits in the workplace.

CHRONIC TOXICITY DATA IS AVAILABLE UPON REQUEST

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 120 Deg F. METHOD: TCC NOTE: Minimum
FLAMMABLE LIMITS: LEL: 0.6 UEL: 7.0
AUTOIGNITION TEMPERATURE: 660 Deg F. NOTE: Greater than;ASTM D 2155

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

GENERAL HAZARD:
Combustible Liquid, can form combustible mixtures at temperatures at or above the flashpoint.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge .
"Empty" containers retain product 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, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.
Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

FIRE FIGHTING:
Use water spray to cool fire exposed surfaces and to protect personnel.
Isolate "fuel" supply from fire.
Use foam, dry chemical, or water spray to extinguish fire.
Avoid spraying water directly into storage containers due to danger of boilover.
This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

HAZARDOUS COMBUSTION PRODUCTS:
No unusual

SECTION 5 SPILL CONTROL PROCEDURE

LAND SPILL:
Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 7) notify the National Response Center.
Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Do not use combustible materials such as sawdust.
Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL:
Remove from surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

ISOPAR H

DATE PREPARED: MAY 22, 1991
NO.: 92039640

SECTION 6 NOTES

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704
HEALTH	2	2
FLAMMABILITY	2	2
REACTIVITY	1	1

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

SECTION 7 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):
DOT PROPER SHIPPING NAME:
PETROLEUM NAPHTHA, Combustible Liquid UN 1255
DOT HAZARD CLASS: Combustible Liquid
DOT IDENTIFICATION NUMBER: UN 1255
NAME: Naphtha, petroleum

TSCA:
This product is listed on the TSCA Inventory at CAS Registry Number 64742-48-9

CERCLA:
If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:
Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:
Delayed Health, Fire.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
0.76 at 60 6.3

SOLUBILITY IN WATER, WT. % AT °F:
Less than 0.10 at 68

SP. GRAV. OF VAPOR, at 1 atm (Air=1):
5.51

EVAPORATION RATE, n-Bu Acetate=1:
0.1

VAPOR PRESSURE, mmHg at °F:
1 at 68
3 at 100

VISCOSITY OF LIQUID, CST AT °F:
1 at 77
2 at 61

FREEZING/MELTING POINT, °F:
Less than 32

BOILING POINT, °F:
335 to 380 Approximately

FLASH POINT
120°F

MW = 152

100 % VOLATILE PER EXXON (ALLEN 1/1/92)

EXXON CHEMICAL

MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL AMERICAS, P.O. BOX 3272, HOUSTON, TEXAS 77001
A Division of EXXON CHEMICAL COMPANY, A Division of EXXON CORPORATION

ISOPAR H

DATE PREPARED: MAY 22, 1991
NO.: 92839640

SECTION 9 REACTIVITY DATA

STABILITY:
Stable

HAZARDOUS POLYMERIZATION:
Will not occur

CONDITIONS TO AVOID INSTABILITY:
Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
None

SECTION 10 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:
Yes. use proper grounding procedure

STORAGE TEMPERATURE, °F:
Ambient

LOADING/UNLOADING TEMPERATURE, °F:
Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:
Atmospheric

VISC. AT LOADING/UNLOADING TEMP., cST:
2

REVISION SUMMARY:
Since MAY 9,1991 this MSDS has been revised in Section(s):
3, 4

REFERENCE NUMBER:	DATE PREPARED:	SUPERSEDES ISSUE DATE:
HDHA-C-25036	May 22,1991	May 9,1991

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6885

ANHEUSER-BUSCH COMPANIES

bcc: J. W. Sugar
J. V. Stier
J. E. Lambert
B. A. Boeglin
T. J. Leebolt
J. D. Young
J. J. Walters
D. Stewart
M. M. Accardo
J. A. Voda
R. F. Wellise

January 10, 1992

Ms. Teresa Heron
Bureau of Air Quality Management
Department of Environmental Regulations
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, Florida 32301

Re: Metal Container Corporation -
Gainesville Lid Plant
Permit No. AC 01-185035

314-7037-10-32

Dear Ms. Heron:

In order to optimize production capabilities at its Gainesville Lid Plant, Metal Container Corporation plans to operate three conversion presses as part of Module 6 and two conversion presses as part of Module 7. The plant configuration, identified in the referenced permit and the application, shows two presses on Module 6 and three on Module 7.

There will be no change in facility production or emissions that were previously represented and that are allowed by the permit. The only change is relocation of one conversion press and "reassignment" of it's emissions to Module 6 from Module 7.

A marked up version of the emissions summary table (originally submitted to DER April 25, 1991) is attached to show the "exchange" of the conversion press to Module 6 from Module 7. Also attached is a marked up version of Specific Condition 3 of the permit that reflects the switch in emission limits.

Please call me at 314/577-4162 if you have any questions.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Dean E. Pusch

Dean E. Pusch
Sr. Environmental Scientist
Attachment

ANHEUSER-BUSCH COMPANIES

FACSIMILE TRANSMISSION | NO PAGES 4

TO T. HERON PHONE 904-922-6979 FAX
DEPT./CO DER-FLORIDA 0032
FROM D. Pusch PHONE 314-577-4162
DEPT./CO ENV. AFFAIRS
COMMENTS:

AB-6710 (2-89)

Anheuser-Busch Companies Inc
Executive Offices
One Busch Place
St. Louis, MO U.S.A. 63118-1852
Telex 44[illegible] ANBUSCH STL

MESSAGE CONFIRMATION JAN-27-'92 MON 14:45

TERM ID: DIV OF AIR RES MGMT P-9999

TEL NO: 904-922-6979

NO.	DATE	ST.TIME	TOTAL TIME	ID	DEPT CODE	OP	NO.
01	01-27	14:3	00'01'54	9043943033		03	00

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER

0684266951

1129m 0684266951

RECIPIENT'S COPY

Date: 1/31/92

From (Your Name) Please Print	Your Phone Number (Very Important)	To (Recipient's Name) Please Print	Recipient's Phone Number (Very Important)
Dan Stewart	(904) 378-8500	Fla. Dept. of Environmental Regulation	
Company: METAL CONTAINER CORP	Department/Floor No:	Company: 2600 Blair Stone Road, Twin Towers Bldg.	Department/Floor No:
Street Address: 5909 NW 18TH DRIVE		Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes):	
City: GAINESVILLE State: FL ZIP Required: 32606		City: Tallahassee, FL State: ZIP Required: 32301	

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.)

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address:
City: State: ZIP Required:

3 PAYMENT: 1 [X] Bill Sender - 2 [ ] Bill Recipient's FedEx Acct No - 3 [ ] Bill 3rd Party FedEx Acct No - 4 [ ] Bill Credit Card
5 [ ] Cash/Check

4 SERVICES (Check only one box)

Priority Overnight	Standard Overnight	DELIVERY AND SPECIAL HANDLING (Check services required)	PACKAGES	WEIGHT in Pounds Only
11 [ ] YOUR PACKAGING	51 [ ] YOUR PACKAGING	1 [ ] HOLD FOR PICK-UP (If # in Box H)		
16 [X] FEDEX LETTER *	56 [ ] FEDEX LETTER *	2 [ ] DELIVER WEEKDAY ✓		
12 [ ] FEDEX PAK *	52 [ ] FEDEX PAK *	3 DELIVER SATURDAY (Extra charge) [ ]		
13 [ ] FEDEX BOX	53 [ ] FEDEX BOX	4 [ ] DANGEROUS GOODS (Extra charge)		
14 [ ] FEDEX TUBE	54 [ ] FEDEX TUBE	5 [ ]		
Economy Two-Day	Government Overnight	6 [ ] DRY ICE ____ LBS	Total	Total
30 [ ] ECONOMY	46 [ ] GOVT LETTER	7 [ ] OTHER SPECIAL SERVICE	DIM SHIPMENT (Chargeable Weight)	
	41 [ ] GOVT PACKAGE	8 [ ]	[ ] ____ lbs	
Freight Service (Min Extra Charge if any package over 150 lbs.)		9 [ ] SATURDAY PICK-UP (Extra charge)	Received At:	
70 [ ] OVERNIGHT FREIGHT ** (Customer number required)	80 [ ] TWO-DAY FREIGHT **	10 [ ]	1 [ ] Regular Stop 3 [ ] Drop Box 4 [ ] 869 2 [ ] On-Call Stop 5 [ ] Station	
† Declared value limit $50,000	**Optional Value Limit $100	11 [ ] TELEPHONE	FedEx Emp. No.	
	**Call for delivery schedule	12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)		

5 Release Signature: ____ Date/Time: ____

Emp. No	Date
[ ] Cash Received	
[ ] Return Shipment	
[ ] Third Party [ ] Chg. To Del [ ] Chg. To Hold	
Street Address	
City State Zip	
Received By: X	
Date/Time Received	FedEx Employee Number

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 1/91
PART #137204 EXEM 4/91
FORMAT #068

068

Metal Container Corporation
ONE OF THE ANHEUSER-BUSCH COMPANIES

007674

CHECK DATE	CHECK NUMBER
1/31/92	007674

Manufacturers Hanover Bank (Delaware)
1201 Market Street
Wilmington, Delaware 19801

VOID 180 DAYS AFTER ISSUANCE

62-26
311

-09
2339

PAY THIS AMOUNT
$ ***250.00
METAL CONTAINER CORPORATION

AUTHORIZED SIGNATURE
L. M. Lee
AUTHORIZED SIGNATURE

TO THE ORDER OF
FLORIDA DEPT. OF ENVIRONMENTAL REGULATION
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, FL 32301

"00007674" :031100267: 630142339 2 509"

Metal Container Corporation
ONE OF THE ANHEUSER-BUSCH COMPANIES

007674

CHECK NO.	007674	DATE	1/31/92	VENDOR NO.
VENDOR	Fl. Dept. of Env. Reg.			

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	GROSS AMOUNT	DISCOUNTS, TAXES, RETENTION	NET AMOUNT
	1/31/92	Modification of Permit #	AC01-185835		$250.00

947
OF GPC Seems TO BE A TRADE!

00103

DETACH BEFORE DEPOSITING

TOTALS	GROSS AMOUNT	NET AMOUNT
		$250.00

ANHEUSER-BUSCH COMPANIES

April 30, 1991

Ms. Teresa Heron, Permit Engineer
Permitting and Standards Section
Bureau of Air Regulation
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: **MCC-Jacksonville Modernization**
DER File AC 01-185835

Dear Ms. Heron:

Specific Condition 5 of the draft permit, which specifies permitted materials and utilization rates, will change based on the April 25, 1991 revisions to the application. The condition should read as follows:

5. The permitted materials and utilization rates are as stated in the application and supporting documents. These rates include but are not limited to:

   - A maximum annual production of 10.047 billion lids,
   - A maximum usage rate (all coatings and solvents) of 0.0241 gallon//1000 lids,
   - A maximum input rate of 9450 lb/hr of aluminum shell and tab stock.

Please call me at (314) 577-4162 with any questions.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Dean E. Pusch
Sr. Environmental Scientist
043091

Anheuser-Busch Companies, Inc.
Executive Offices
One Busch Place
St. Louis, MO U.S.A. 63118-1852
Telex 447 117 ANBUSCH STL