Orlando Utilities Commission 500 South Orange Avenue P.O. Box 31.93 Orlando, Florida 32802 Phone: 407.423.9100 Administrative Fax: 407.236.9616 Purchasing Fax: 407.384.4141 Website: www.ouc.com



Certified Mail No. 7000 2870 0000 2084 1717 Return Receipt Requested

July 26, 2001

Mr. Hamilton S. Oven, P. E. Administrator Siting Coordination Office Florida Department of Environmental Protection 2600 Blair Stone Road, MS48 Tallahassee, FL 32399-2400

Dear Mr. Oven:

Orlando Utilities Commission's (OUC) coal suppliers for Stanton Energy Center Units 1 and 2 have approached our Fuels Division with a request to add a proprietary "dust suppression" binder to future coal deliveries to the Stanton Energy Center. A Dow Chemical material, Covol 298-1, would be added to our coal supply prior to loading of our trains.

As our Conditions of Certification allow the use of chemical wetting agents on our storage piles and handling equipment, we believe we can receive coal with the dust suppressant material without modification to our Conditions of Certification

OUC requests your departmental approval of the use of Dow Covol 298-1 or a similar dust suppression binder for use by our coal suppliers. We anticipate that we would begin to receive this material beginning in September of this year. We appreciate a timely response to this request.

If you require further information on this matter, please contact me at 407-423-9141.

Sincerely,

Denise M. Stalls

Director Environmental Affairs

Denise M Stalls

DMS:rc Enclosures



Dow Reichhold Specialty Latex LLC

Bringing a world of experience to each application.

Covol Fuels Synfuel Binders Manufactured by Dow Reichhold Specialty Latex LLC

Proximate and Ultimate Analyses

Proximate Analysis*	Covol 298	Covol 298-1	11-24-	MIDI
Moisture	<u>Result</u> 50.9	<u>Result</u> 47.9	<u>Units</u> wt. %	<u>MRL</u> 0.1
Ash	0.69	0.73	wt. %	0.01
Volatile Matter	21.78	21.82	wt. %	0.1
Fixed Carbon	77.5	77.5	wt. %	0.1
Heating Value	17,616	14,116	BTU/lb.	325
		,	·	
Ultimate Analysis*	Caval 298	Covol 298-1		•
	Result	Result	<u>Units</u>	MRL
Carbon	87.40	72.04	wt. %	0.2
Hydrogen	9.04	8.47	wt. %	0.2
Nitrogen	0.51	0.29	wt. %	0.2
Sulfur	0.19	0.11	wt. %	0.01
Oxygen	2.2	18.4	wt. %	0.2

^{*} Moisture was run on the as-received sample. All other parameters were run on a dry basis.



Dow Reichhold Specialty Latex LLC

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Covol Fuels Synfuel Binders Manufactured by Dow Reichhold Specialty Latex LLC

Elemental Analysis

Elemental Analysis	Covol 298	Covol 298-1		
	Result	Result	<u>Units</u>	MRL
Aluminum	<1	<1	mg/kg	0.023
Antimony	<0.01	<0.01	mg/kg	0.032
Arsenic	<0.1	<0.1	mg/kg	0.017
Barium	<1	<1	mg/kg	0.0013
Beryllium	<0.01	<0.01	mg/kg	0.00027
Bromide	<0.01	<0.01	wt. %	0.01
Cadmium	<0.01	<0.01	mg/kg	0.0025
Calcium	<1	<1	mg/kg	0.00019
Chlorine, total	< 0.005	<0.005	wt. %	0.001
Chromium	<1	<1	mg/kg	0.0061
Cobalt	<0.1	<0.1	mg/kg	0.0060
Copper	<0.1	<0.1	mg/kg	0.0054
Fluorine, total	<0.007	< 0.007	wt. %	0.007
lodide	<0.004	< 0.004	wt. %	0.004
lron	<1	<1	mg/kg	0.0046
Lead	<0.1	<0.1	mg/kg	0.044
Lithium	<1	<1	mg/kg	0.002
Magnesium	<1	<1	mg/kg	0.00015
Manganese	<1	<1	mg/kg	0.0014
Mercury	<0.01	<0.01	mg/kg	0.025
Molybdenum	<0.1	<0.1	mg/kg	0.0079
Nickel	<0.1	< 0.01	mg/kg	0.010
Potassium *	<1	<1	mg/kg	0.7
Selenium	<0.1	<0.1	mg/kg	0.075
Silver	<0.01	<0.01	mg/kg	0.007
Strontium	. <1	<1	mg/kg	0,00042
Thallium	<0.01	<0.01	mg/kg	0.040
Titanium	<1	<1	mg/kg	0.0038
Vanadium	<1	<1	mg/kg	0.0050
Zinc	<1	<1	mg/kg	0.0018



Dow Reichhold Specialty Latex LLC

Effective Date: 11/2/2006 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0002 Material Description: COVOL 298 Material Code: 150977

1. Chemical Product and Company Identification

Material Description: COVOL 298

Material Code: 150977

Manufacturer Name:

Dow Reichhold Specialty Latex LLC

P.O. Box 13906

Research Triangle Park, NC 27709

United States

HMIS

NFPA

Health:

Reactivity:

Flammability: 1

Emergency Phone Number - 24 Hour: (800) 424-9300 To Request Additional Information: (800) 451-9562

Chemical Family: Carboxylated Styrene Butadiene Polymer

Health: 1
Flammability: 1
Reactivity: 0

Personal Protection:

2. Composition, Information on Ingredients

CAS No.	CHEMICAL IDENTITY	% BY WT
Proprietary	Carboxylated Styrene Butadiene Polymer	40 - 55
7664-41-7	Ammonia	0.35 (Max)
7732-18-5	Water	45 - 60

Additional Information

Refer to Section 8, Subheading "Exposure Guidelines", for additional information concerning exposure limits

3. Hazards Identification

Emergency Overview

No significant immediate hazards for emergency response are known. Milky white liquid emulsion. Slight ammonia odor. Vapors may irritate eyes, nose, throat, and skin. Dike and contain spill. Avoid dilution of spills.

1 of 7

MATERIAL SAFETY DATA SHEET Effective Date: 11/2/2006

MSDS No: DRSL0002 Material Description: COVOL 298 Material Code: 150977

Potential Health Effects

EYES: Direct contact with this material may cause eye irritation including tearing and redness. Corneal injury is unlikely.

SKIN: Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is considered to be extremely low. Ingestion (swallowing) may irritate the mouth, throat, and stomach. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

INHALATION: Inhalation of vapor may cause irritation to the respiratory tract (nose, throat, and lungs). With good ventilation, single exposure to vapors is not likely to be hazardous.

Systemic Effects (Other Target Organs) No relevant information found.

4. First Aid Measures

Eye Contact

Immediately flush eyes with large quantities of clean water for at least 15 minutes. Consult a physician.

Skin Contact

Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.

If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Notes to Physician

No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

5. Fire Fighting Measures

Properties

Flash Point: Not applicable. Method Used: Not applicable.

Autoignition Temperature: Not applicable.

Effective Date:11/2/2006 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0002 Material Description: COVOL 298 Material Code: 150977

Flammable Limits in Air (Lower): Not applicable. Flammable Limits in Air (Upper): Not applicable.

Fire Fighting Extinguishing Media

To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

Fire Fighting Equipment

Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Fire Fighting Instructions

Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may build up pressure if exposed to heat (fire). Use a water spray to cool fire-exposed containers.

Fire / Explosion Hazards

This material will not burn unless it is evaporated to dryness.

Hazardous Combustion Products

Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, carbon monoxide and dense smoke.

6. Accidental Release Measures

Personal Precautions

Avoid unnecessary exposure and contact. Barricade the area to restrict access. Persons not wearing protective equipment (see Section 8) should be excluded from the area of the spill until clean-up has been completed.

Environmental Precautions

Stop leak at source when it is safe to do so. Dike and contain spill. Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.

Cleanup Procedures

Avoid dilution with water to minimize the extent of the spill. Recover and recycle spilled latex if possible, otherwise, collect with absorbent material and transfer to appropriate containers for disposal. Water may be used for final cleaning of affected area.

7. Handling and Storage

Handling Information

Practice reasonable care to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored or used.

Effective Date:11/2/2006 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0002
Material Description: COVOL 298 Material Code: 150977

Storage Information

Keep from freezing. Store at temperatures between 40° F and 110° F. Material may develop bacteria odor on long-term storage. No safety problems known.

8. Exposure Controls, Personal Protection

Exposure Limits Guidelines

There are no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygenists (ACGIH).

The Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) for ammonia is 50 ppm for an 8-hour Time Weighted Average (TWA). The American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) for ammonia is 25 ppm for an 8-hour Time Weighted Average (TWA) and Short Term Exposure Level of 35 ppm.

Engineering Controls

Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local exhaust ventilation may be necessary for some operations.

Personal Protective Equipment

EYES: Wear safety glasses with side shields or goggles.

SKIN: Wear clean, long-sleeved, body-covering clothing. Nitrile, neoprene®, or rubber gloves should provide protection against skin contact.

INHALATION: Respiratory protection is not generally required during normal use and handling. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

9. Physical and Chemical Properties

Physical Properties

Appearance - (Color, Physical Form, Shape): Milky white liquid emulsion.

Odor: Slight ammonia odor. Physical State: Liquid.

pH: 4.0 - 10.0

Vapor Pressure: 17.5 mm Hg @ 68° F (20° C) Vapor Density: 0.624 @ 80° F (26.7° C)

Boiling Point: 212° F (100° C) Freezing Point: 32° F (0° C)

Solubility: Product as sold is dilutable. Polymer component is insoluble.

Specific Gravity: 0.98 - 1.04

Effective Date:11/2/2006 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0002 Material Description: COVOL 298 Material Code: 150977

Additional Information

The physical data listed are for a series of latexes. For specific properties on any given latex, see the product bulletin.

10. Stability and Reactivity

Stability

This material is stable during storage and during its intended use.

Incompatible Materials/Substances

Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

Conditions to Avoid

Avoid freezing temperatures (less than 32° F or 0° C). Product can decompose at elevated temperatures.

Hazardous Decomposition Products

Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.

Hazardous Polymerization

Hazardous polymerization will not occur.

11. Toxicological Information

Acute Toxicity (Humans)

Refer to Section'3 for available information on potential health effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1

SKIN

- Based on properties of similar polymers, the polymer is not hazardous.

INGESTION:

- Based on properties of similar polymers, the polymer is not hazardous.
- Ammonia: oral LD50 (rat), 350 mg/kg.

INHALATION:

- Based on properties of similar polymers, the polymer is not hazardous.
- Ammonia: inhalation LC50 (rat), 2,000 ppm / 4 hr.

12. Ecological Information

Movement & Partitioning

Effective Date:11/2/2006 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0002 Material Description: COVOL 298 Material Code: 150977

Latex dispersions will color water a milky white. No bioconcentration of the polymeric component is expected because of its high molecular weight.

Degradation & Persistence

The polymeric component is not expected to biodegrade.

Ecotoxicity

Based largely or completely on information for similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 > 100 mg/L in the most sensitive species tested).

13. Disposal Considerations

Disposal Method

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

FOR UNUSED OR UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device.

NOT A RCRA HAZARDOUS WASTE: When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

14. Transportation Information

Department of Transportation (DOT) - US

This product is not regulated by D.O.T. when shipped domestically by land.

Transportation of Dangerous Goods (TDG) - Canada

This product is not regulated by TDG when shipped domestically by land.

15. Regulatory Information

U.S. Federal Regulations

Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 8(b) - Inventory Status: All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.

SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product

Effective Date:11/2/2006	MATERIAL	SAFETY DATA SHEET	MSDS No: DRSL0002
Material Description: COVOL	298		Material Code: 150977

contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

- Not to have met any hazard category.

Workplace Hazardous Materials Information System (WHMIS) - Canada

Workplace Hazardous Materials Information System (WHMIS) - Canada: This material is not classified as a controlled product under the Canadian Workplace Hazardous Material Information System.

Canadian Inventory Status: All components of this material are listed on the Canadian Domestic Substances List (DSL).

Additional Information

California Proposition 65: This material contains a chemical known to the State of California to cause cancer.

- 4-Vinylcyclohexenc

16. Other Information

Additional Information

Disclaimer: This information is provided in good faith and is correct to the best knowledge of Dow Reichhold Specialty Latex LLC as of the date hereof and is designed to assist our customers; however, Dow Reichhold Specialty Latex LLC makes no representation as to its completeness or accuracy. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy as to suitability for their specific applications. Any use which Dow Reichhold Specialty Latex LLC customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. Dow Reichhold Specialty Latex LLC disclaims responsibility for damages, or liability, 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. IN NO EVENT SHALL DOW REICHHOLD SPECIALTY LATEX LLC BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Sheplak, Scott

From:

Stalls, Denise M. [DStalls@ouc.com]

Sent:

Wednesday, January 09, 2008 4:46 PM

To:

Sheplak, Scott

Subject:

scan0001.pdf - Adobe Acrobat Professional

Attachments: scan0001.pdf

Scott:

The vendor has confirmed that Latex DL 298NA is COVOL 298. Attached is a copy of the MSDS also.

Thanks for your help.

Denise



Dow Reichhold Specialty Latex Lic

Effective Dete: 1/31/2003 MATERIAL SAFETY DATA SHEET Material Description: COVOL 298-1

MSDS No: DRSL0005 Material Code: 150956

1. Chemical Product and Company Identification

Material Osseription: COVOL 298-1

Material Cade: 150956

Manafacturer Name: Dow Reichfield Specialty Latex LLC P.O. Box 13906 Research Triangle Park, NC 27709 United States

Emergency Phone Number - 24 Hour: (800) 424-9300 To Request Additional Information: (800) 451-9562

Chemical Family: Carboxylated Styrene Butadiene/Vinyl Acrylic Polymer

NFPA

Health:	1
Flammability:	ò
Reactivity:	ö

HMIS

Health:	[1]
Flammability:	0
Reactivity:	0

2. Composition, Information on Ingredients

	CAS No.	CHEMICAL IDENTITY	% BY WT
Į	Proprietary	Carboxylated Styrene Butadiene/Vinyl Acrylic Polymer	45 -55
		Water	45 - 55

3. Hazards Identification

Emergency Overview

No significant immediate hazards for emergency response are known. Milky white liquid cradsion. Slight ammonia odor. Vapors may irritate eyes, nose, throat, and skin. Dike and contain spill. Avoid dilution of spills.

Patential Health Effects

PYES: Direct contact with this material may cause eye irritation including tearing and redness. Corneal injury is unlikely.

SKIN: Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

Printed Dala: 1/31/2003

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Cities (vie Date: 1/31/2003 MATERIAL SAFETY DATA SHEET MSDS No: DRSL00.05
Molegial Description: COVOL 298-1 Material Code: 150956

INHALATION: Inhalation of vapor may cause irritation to the respiratory tract (nose, throat, and lungs). With good ventilation, a single exposure to vapors is not expected to cause adverse effects.

Systemic Effects (Other Target Organs) No relevant information found.

4. First Aid Measures

Eye Contact

limited at least 15 minutes. Consult a physician.

Skin Contact

Wash skin with soap and water. Remove contaminated clothing, Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

Inhalation

Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.

Ingestion

If availowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Notes to Physician

No specific antidoto. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

5. Fire Fighting Measures

Properties

Flash Point: Not applicable. Method Used: Not applicable.

Autoignition Temperature: Not applicable.

Flammable Limits in Air (Lower): Not applicable, Flammable Limits in Air (Upper): Not applicable,

Fire Eighting Extinguishing Media

To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

Fire Fighting Equipment

Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Fire Fighting Instructions

Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may build up pressure if exposed to heat (fire). Use a water spray to cool fire-exposed containers.

Printed Date: 1/31/2003.

I: fequive Date: 1/31/2003 MATERIAL SAFETY DATA SHEET MSDS No: DRSL0005
Meta-list Description: COVQL 298-1 Material Code: 150956

Fire / Explosion Hazards

This material will not burn unless it is evaporated to dryness.

Hazardons Combustion Products

Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, carbon monoxide and dense smoke.

6. Accidental Release Measures

Personal Precautions

Avoid unnecessary exposure and contact. Barricade the area to restrict access. Persons not wearing protective equipment (see Section 8) should be excluded from the area of the spill until clean-up has been completed.

Environmental Precautions

Stop leak at source when it is safe to do so. Dike and contain spill. Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.

Cleanap Procedures

Avoid dilution with water to minimize the extent of the spill. Recover and recycle spilled latex if possible, otherwise, collect with absorbent material and transfer to appropriate containers for disposal. Water may be used for final cleaning of affected area.

7. Handling and Storage

Handling Information

Practice reasonable cure to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored or used.

Storage Information

Keep from freezing. Store at temperatures between 40° F and 110° F. Material may develop bacteria—
odor on long-term storage. No safety problems known.

8. Exposure Controls, Personal Protection

Expospre Limits Guidelines

There me no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygenists (ACGIII).

Engineering Controls

Good general ventilation should be sufficient to control airborne levels of irritating vapors.

Printed Date: 1/31/2003

Effective Date: 1/31/2003 MATERIAL SAFETY DATA SHEET
Material Description: COVOL 298-1

MSDS No: DR6L0005

Material Code: 150966

Personal Protective Equipment

HYES: Wear safety glasses with side shields or goggles.

SKIN: Wear clean, long-sleeved, body-covering clothing. Nitrile, neoprenc®, or rubber gloves should provide protection against skin contact.

INITALATION: For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, or areas are poorly ventilated, use an approved air-purifying respirator.

Personal Protective Equipment

9. Physical and Chemical Properties

Physical Properties

Appearance - (Color, Physical Form, Shape): Milky white liquid emulsion.

Odor: Slight amaionia odor.

Physical State: Liquid.

pHi: 4.0 - 9.0

Vapor Pressure: 17.5 mm Hg @ 68° F (20° C)

Vapor Density: 0.624 @ 80° F (26.7° C)

Boling Point: 212° F (100° C) Pregging Point: 32° F (0° C)

Solutility: Product as sold is dilutable. Polymer component is insoluble.

Specific Gravity: 1.00 - 1.08

Additional Information

The physical data listed are for a series of latexes. For specific properties on any given latex, see the product bulletin.

10. Stability and Reactivity

Stability

This material is stable during storage and during its intended use.

Incompatible Materials/Substances

Addition of chemicals, such as acids or multivalent metal sults, may cause coagulation.

Conditions to Avoid

Avoid freezing temperatures (less than 32° F or 0° C). Product can decompose at elevated temperatures,

Hazardons Decomposition Products

Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.

Huzardons Polymerization

Hazardous polymerization will not occur.

Printed Date: 1/31/2003

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Effective Cate; 1/31/2003 MATERIAL SAFETY. DATA SHEET MSDS No: DRSL0005 Material Description: GOVOL 298-1 Material Code: 150956

II. Toxicological Information

Acute Toxicity (Humans)

Rofer to Section 3 for available information on potential health effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1

SEIN: Based on properties of similar polymers, the polymer is not hazardous.

INCHESTION: Based on properties of similar polymers, the polymer is not hazardous.

INHALATION: Based on properties of similar polymers, the polymer is not hazardous.

12. Ecological Information

Movement & Partitioning

Latex dispersions will color water a milky white. No bioconcentration of the polymeric component is expected because of its high molecular weight.

Degradation & Persistence

The polymeric component is not expected to biodegrade.

Reotoxicity.

Based largely or completely on information for similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 > 100 mg/L in the most sensitive species tested).

13. Disposal Considerations

Disposal Method

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

FOR UNUSED OR UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device.

NOT A RCRA HAZARDOUS WASTE: When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

14. Transportation information

Printed Date: 1/31/2003

Fitective Date: 1/31/2003 ... MATERIAL SAFETY DATA SHEET MSDS No. DRSL0005
Multiviel Description. COVOL 208-1 Material Code: 150956

Department of Transportation (DOT) - US

This product is not regulated by D.O.T. when shipped domestically by land.

Transportation of Dangerous Goods (TDG) - Canada

This product is not regulated by TDG when shipped domestically by land.

15. Regulatory Information

U.S. Federal Regulations

Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 8(b) - Inventory Status: All components of this material are listed on or are exempt from the US Toxic Subatances Control Act (TSCA) inventory.

SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Not to have met any hazard category.

Workshace Unsurdous Muterials Information System (WHMIS) - Canada

Workplace Hazardous Materials Information System (WHMIS) - Canada: This material is not classified as a controlled product under the Canadian Workplace Hazardous Material Information System.

Canadian Inventory Status: All components of this material are listed on the Canadian Domestic Substances List (DSL).

Additional Information

California Proposition 65: This material contains chemicals known to the State of California to cause

- Acctaldehyde
- d-Vinyleyclohexene

16. Other Information

Additional Information

Disclaimer: This information is provided in good faith and is correct to the best knowledge of Dow Reichhold Specialty Latex LLC as of the date hereof and is designed to assist our customers; however, Dow Reichhold Specialty Latex LLC makes no representation as to its completeness or accuracy. Our

Printed Date: 1/31/2003

Effective Date: 1/31/2003 MATERIAL SAFETY DATA SHEET: MSDS No: DRSL0005
Material Description: COVOL 298-1 Material Code: 150956

products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy as to suitability for their specific applications. Any use which Dow Reichhold Specialty Latex LLC customers or third parties make of this information, or any retinace on, or decisions made based upon it, are the responsibility of such customer or third party. Dow Reichhold Specialty Latex LLC disclaims responsibility for damages, or liability, of any kind resulting from the use of this information. THERE ARE NO WARRANTHES 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. IN NO EVENT SHALL DOW REICHHOLD SPECIALTY LATEX LLC BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Printed Date: 1/31/2003.

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