

P.O. Box 4980
The Woodlands, TX 77387-4980

NSN: 8030-00-891-3113 PART A

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Comstock Park, MI 49321
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Effective Date: 4/15/10

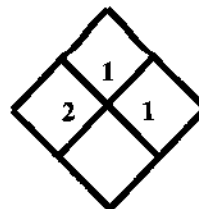
Material Safety Data Sheet

MSDS No: 5998

1. PRODUCT IDENTIFICATION

Trade Name: RenPaste 1257-3

Chemical Family: Epoxy



NFPA RATING

Health:	2
Flammability:	2
Reactivity:	0
Personal Protection:	

HMIS RATING

Synonyms:
RP 1257-3 Resin

Intended Use or Product Type: Faring compound resin

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	1317-65-3	Limestone Common Name: Calcium carbonate Concentration: 10.00 - 30.00 % by wt	10 mg/m3	NE	5 mg/m3	NE	NE	NR	NR	NR
*	13463-67-7	Titanium Oxide Common Name: Titanium dioxide Concentration: 1.00 - 5.00 % by wt	10 mg/m3	NE	15 mg/m3	NE	NE	NR	NR	NR
*	21645-51-2	Aluminum hydroxide Common Name: Hydrated Alumina Concentration: 5.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	2426-08-6	Oxirane, (Butoxymethyl)- Common Name: Butyl glycidyl ether Concentration: 5.00 - 10.00 % by wt	25 ppm	NE	50 ppm	NE	Table Z1A TWA 25 ppm	NR	NR	NR
*	25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane Common Name: Bisphenol A diglycidyl ether	NE	NE	NE	NE	NE	NR	NR	NR

Effective Date: 4/15/10

	Name: Concentration	polymer 30.00 - 60.00 % by wt								
*	65997-17-3	SODIUM ZINC POTASSIUM POLYPHOSPHATE	NE	NE	NE	NE	TLV 10 mg/m3	NR	NR	NR
	Common Name: Concentration	Fiberglass 5.00 - 10.00 % by wt								
*	71011-26-2	Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, salts with hectorite Quaternary ammonium compound	NE	NE	NE	NE	NE	NR	NR	NR
	Common Name: Concentration	5.00 - 10.00 % by wt								
*	7727-43-7	Sulfuric acid, barium salt (1:1)	10 mg/m3	NE	5 mg/m3	NE	NE	NR	NR	NR
	Common Name: Concentration	Barium Sulfate 10.00 - 30.00 % by wt								

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Can cause skin irritation, eye irritation, allergic respiratory reaction, and allergic skin reaction. Can be harmful if inhaled.

Primary Route(s) of Entry: Dermal; heated product may produce inhalable vapors.

Chronic: Possible mutagen.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Overexposure Effects: Causes skin and eye irritation. May cause allergic skin and respiratory reactions.

Medical Conditions Aggravated by Exposure: Skin, eye and pulmonary conditions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

5. FIRE FIGHTING MEASURES

Effective Date: 4/15/10

Flash Point: 176°F (80 °C)
Flash Point Method Used: PMCC
Flammable Limits in Air (Lower - % by volume): Not established
Flammable Limits in Air (Upper - % by volume): Not established

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

7. HANDLING AND STORAGE

Signal Word: Warning!

Precautions: Combustible. Keep away from heat and flame. Can cause skin irritation, eye irritation, allergic respiratory reaction, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated breathing of vapor or mist. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling.

Other Handling Information: Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear impermeable gloves.

Respiratory Protection: Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: General mechanical and local exhaust in accordance with ACGIH recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: White
Odor: Slight Ethereal
Physical State: Paste
Solubility in Water: Insoluble
Vapor Pressure: 1.22 mm Hg at 25°C (77 °F)
Specific Gravity: 1.5 (water = 1)
Boiling Point: Not Determined
Evaporation Rate: Not Determined
Vapor Density: Not Determined
VOC: Negligible
pH: Not Determined

Effective Date: 4/15/10

Coefficient of water/oil: Not Evaluated

10. STABILITY AND REACTIVITY**Conditions to Avoid:** Excessive heat for prolonged periods of time.**Stability:** Stable.**Incompatibility:** Strong oxidizers, acids and bases.**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.**Hazardous Polymerization:** Will not occur.**11. TOXICOLOGICAL INFORMATION****Sensitization:** May cause allergic skin reaction and respiratory sensitivity in some people.**Skin Irritation:** Irritant.**Eye Irritation:** Irritant.**Reproduction:** Inhalation of Butyl Glycidyl Ether (38, 75, 150 or 300 ppm [0.20, 0.40, 0.799, or 1.60 g/m³] for 7 hours per day, 5 days per week for 10 weeks produced atrophic testes in 4 of 5 surviving rats at 300 ppm, very small testes in 1 of 10 rats at 150 ppm, and slightly patch atrophy of the testes in 1 of 10 rats at 75 ppm.**Mutagenicity:** Butyl glycidyl ether (BGE) was found to be mutagenic in a number of in vitro tests. In vivo studies have shown mixed mutagenic results.**12. ECOLOGICAL INFORMATION****13. DISPOSAL CONSIDERATIONS****Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.**14. TRANSPORT INFORMATION****DOT: Non-Bulk****Proper Shipping Name:****Technical Shipping Name (If n.o.s.):****Hazard Class:****ID Number:****Packing Group:****Marine Pollutant:**

Environmentally hazardous substance, liquid, n.o.s.

Bisphenol A epoxy resin

9

UN 3082

PG III

Marine Pollutant

IATA: Non-Bulk**Proper Shipping Name:****Technical Shipping Name (If n.o.s.):****Hazard Class:**

Environmentally hazardous substance, liquid, n.o.s.

Bisphenol A epoxy resin

9

Effective Date: 4/15/10

ID Number:	UN 3082
Packing Group:	PG III
Marine Pollutant:	Marine Pollutant
IMDG: Non-Bulk	
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	Bisphenol A epoxy resin
Hazard Class:	9
ID Number:	UN 3082
Packing Group:	PG III
Marine Pollutant:	Marine Pollutant
TDG: Non-Bulk	
Proper Shipping Name:	Environmentally hazardous substance, liquid, n.o.s.
Technical Shipping Name (If n.o.s.):	Bisphenol A epoxy resin
Hazard Class:	9
ID Number:	UN 3082
Packing Group:	PG III
Marine Pollutant:	Marine Pollutant

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical components of this product are in compliance with TSCA inventory requirements.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains components which are included on the Domestic Substances List (DSL) and the Non-Domestic Substances List (NDSL).

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2A, D2B

European Inventory Status (EINECS): This product contains one or more chemicals currently not on the European Inventory of Existing Commercial Chemical Substances (EINECS) or Pre-market notified.

Effective Date: 4/15/10

Japanese Inventory Status: This product contains only chemicals currently listed on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

California Proposition 65: The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: Quartz (SiO₂)

Common Name: Crystalline silica

CAS Number: 14808-60-7

Percent in Composition: 0.001 - 0.003 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer.

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

Common Name: Bisphenol A diglycidyl ether polymer

CAS Number: 25068-38-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Sulfuric acid, barium salt (1:1)

Common Name: Barium Sulfate

CAS Number: 7727-43-7

Comment: Hazardous Substance

Chemical Name: Limestone

Common Name: Calcium carbonate

CAS Number: 1317-65-3

Comment: Hazardous Substance

Chemical Name: SODIUM ZINC POTASSIUM POLYPHOSPHATE

Common Name: Fiberglass

CAS Number: 65997-17-3

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, salts with hectorite

Common Name: Quaternary ammonium compound

CAS Number: 71011-26-2

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oxirane, (Butoxymethyl)-

Common Name: Butyl glycidyl ether

CAS Number: 2426-08-6

Comment: Hazardous Substance

Chemical Name: Aluminum hydroxide

Common Name: Hydrated Alumina

CAS Number: 21645-51-2

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Titanium Oxide

Common Name: Titanium dioxide

Effective Date: 4/15/10

CAS Number: 13463-67-7
Comment: Hazardous Substance**16. OTHER INFORMATION**

MSDS No: 5998
Reason Issued: 4/10 update DOT & Haz
Approved By: Matt Austin
Title: EHS Chemist

Other Information: DLW/ M/ CA1 (D10024531) [DE6]

Disclaimer: The information and recommendations contained herein are based upon tests in controlled laboratory conditions, are believed to be correct, and are provided for the sole purpose of hazard communication as part of Huntsman's product safety program. This product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

The information and recommendations contained herein are not intended to constitute performance information concerning the product, which is available in separate technical data sheets available from Huntsman upon request. Users are urged, and are urged to urge others who may come in contact with the product, to obtain and consult data sheets prior to purchase, use, transportation or storage of the product.

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Effective Date: 4/13/10

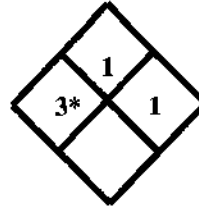
Material Safety Data Sheet

MSDS No: 5999

1. PRODUCT IDENTIFICATION

Trade Name: Ren 1257-3

Chemical Family: Amine



NFPA RATING

Health:	3*
Flammability:	1
Reactivity:	1
Personal Protection:	

HMIS RATING

Synonyms:

RP 1257-3 Hardener

Intended Use or Product Type: Faring compound hardener

2. COMPOSITION / INFORMATION ON INGREDIENTS

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	111-40-0	1,2-Ethanediamine, N-(2-aminoethyl)- Diethylenetriamine Common Name: Concentration	1 ppm	NE	NE	NE	NE	NR	NR	NR
		5.00 - 10.00 % by wt								
*	112945-52-5	Silicon dioxide, amorphous Concentration	NE	NE	NE	NE	NE	NR	NR	NR
		1.00 - 5.00 % by wt								
*	1317-65-3	Limestone Common Name: Concentration	10 mg/m3	NE	5 mg/m3	NE	NE	NR	NR	NR
		Calcium carbonate 30.00 - 60.00 % by wt								
*	14808-60-7	Quartz (SiO2) Common Name: Concentration	0.05 mg/m3	NE	0.1 mg/m3	NE	NE	Yes	Yes	NR
		Crystalline silica 0.10 - 0.30 % by wt								
*	21645-51-2	Aluminum hydroxide Hydrated Alumina Common Name: Concentration	NE	NE	NE	NE	NE	NR	NR	NR
		10.00 - 30.00 % by wt								
*	68410-23-1	Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines Polyamide Resin Common Name: Concentration	NE	NE	NE	NE	NE	NR	NR	NR
		10.00 - 30.00 % by wt								

Effective Date: 4/13/10

*	80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	NE	NE	NE	NE	TLV 5 mg/m3	NR	NR	NR
	Common Name:	Bisphenol A								
	Concentration	1.00 - 5.00 % by wt								
*	84852-15-3	PHENOL, 4-NONYL-, BRANCHED	NE	NE	NE	NE	NE	NR	NR	NR
	Concentration	10.00 - 30.00 % by wt								

NE = Not Established NR = Not Reviewed * = OSHA Hazardous Ingredient

3. HAZARDS IDENTIFICATION

Emergency Overview: Corrosive - causes eye burns. Causes severe skin irritation and may cause skin burns. Can cause allergic respiratory reaction and allergic skin reaction. Can be harmful if absorbed through skin and may be harmful if swallowed.

Primary Route(s) of Entry: Dermal; heated product may produce inhalable vapors.

Carcinogenicity (NTP, IARC, OSHA): This product contains crystalline silica. Repeated inhalation of respirable free crystalline silica dust may cause delayed lung injury (silicosis) and cancer.

Chronic: Overexposure may have effects on kidney and liver.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Seek immediate medical attention.

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Overexposure Effects: Corrosive - causes eye burns. Causes severe skin irritation and may cause skin burns. Can cause allergic respiratory reaction and allergic skin reaction. Can be harmful if absorbed through skin and may be harmful if swallowed.

Medical Conditions Aggravated by Exposure: Skin, eye and pulmonary conditions.

Additional Information: Referral to a physician is recommended if there is any question about the seriousness of any injury.

5. FIRE FIGHTING MEASURES

Flash Point:	> 200°F (> 93 °C)
Flash Point Method Used:	Estimated
Flammable Limits in Air (Lower - % by volume):	Not established
Flammable Limits in Air (Upper - % by volume):	Not established

Effective Date: 4/13/10

Fire Fighting Extinguishing Media: Carbon dioxide, dry chemical, foam, water.**Fire Fighting Equipment:** Use self-contained breathing apparatus.**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Remove spillage by absorbing in absorbent material.

7. HANDLING AND STORAGE

Signal Word: Danger!**Precautions:** Corrosive - causes eye burns. Causes severe skin irritation and may cause skin burns. Can cause allergic respiratory reaction and allergic skin reaction. Can be harmful if absorbed through skin and may be harmful if swallowed. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Avoid tasting or swallowing. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling. Notice! Overexposure may have effects on developing fetus, kidney, liver, and brain.**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear impermeable gloves.**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.**Eye Protection:** Wear splash-proof chemical goggles.**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Blue
Odor:	Ammoniacal
Physical State:	Paste
Solubility in Water:	Slight
Vapor Pressure:	1.12 mm Hg at 52°C (126 °F)
Specific Gravity:	1.65 (water = 1)
Boiling Point:	Not Determined
Evaporation Rate:	Not Determined
Vapor Density:	Not Determined
VOC:	Negligible
pH:	Not Determined
Coefficient of water/oil:	Not Evaluated

10. STABILITY AND REACTIVITY

Effective Date: 4/13/10

Conditions to Avoid: Excessive heat for prolonged periods of time.

Stability: Stable.

Incompatibility: Strong oxidizers, acids and bases.

Hazardous Decomposition Products: Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): Component(s) are slightly toxic, 500 - 5000 mg/kg (rat).
Diethylenetriamine= 1080 - 2330 mg/kg (rat)

Acute Dermal Toxicity (LD50): Component(s) are toxic, 200 - 1000 mg/kg (rabbit).
Diethylenetriamine= 672 - 1240 mg/kg (rabbit)

Sensitization: May cause allergic skin reaction and respiratory sensitivity in some people.

Carcinogenicity: This product contains crystalline silica. Repeated inhalation of respirable free crystalline silica dust may cause delayed lung injury (silicosis) and cancer.

Skin Irritation: Severe skin irritant.

Eye Irritation: Corrosive. Causes burns.

Reproduction: A recent study (October 2000) has shown that orally administered bisphenol A (BPA) in rats, can cross the placental barrier. Peak concentrations were achieved in most tissues within approximately 20 minutes and were reduced by 95 to 98% within 6 hours. A second study, "Three Generation Reproductive Toxicity Evaluation" in rats, yielded the following no observed adverse effect levels (NOAELs): adult systemic toxicity= 75 ppm or approximately 5 mg/kg/day; reproductive toxicity= 750 ppm or approximately 50mg/kg/day; and postnatal toxicity= 750 ppm or approximately 50 mg/kg/day. These results suggest that Bisphenol A crosses the placental barrier and at high doses (greater than 50 mg/kg/day at or near the maximum tolerated dose) may be a mild reproductive and/or postnatal toxicant.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT: Non-Bulk

Proper Shipping Name:

Technical Shipping Name (If n.o.s.):

Hazard Class:

ID Number:

Corrosive liquids, n.o.s.

Nonyl phenol, Diethylene triamine

8

UN 1760

Effective Date: 4/13/10

Packing Group:	PG III
Label:	Corrosive
IATA: Non-Bulk	
Proper Shipping Name:	Corrosive liquids, n.o.s.
Technical Shipping Name (If n.o.s.):	Nonyl phenol, Diethylene triamine
Hazard Class:	8
ID Number:	UN 1760
Packing Group:	PG III
Label:	Corrosive
IMDG: Non-Bulk	
Proper Shipping Name:	Corrosive liquids, n.o.s.
Technical Shipping Name (If n.o.s.):	Nonyl phenol, Diethylene triamine
Hazard Class:	8
ID Number:	UN 1760
Packing Group:	PG III
Label:	Corrosive
TDG: Non-Bulk	
Proper Shipping Name:	Corrosive liquids, n.o.s.
Technical Shipping Name (If n.o.s.):	Nonyl phenol, Diethylene triamine
Hazard Class:	8
ID Number:	UN 1760
Packing Group:	PG III
Label:	Corrosive

15. REGULATORY INFORMATION**US Federal Regulations:**

Occupational Safety and Health Act (OSHA): This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

SARA Title III: Section 304 - CERCLA: This product contains the following chemicals regulated under Section 304 (40 CFR 302) as hazardous substance(s) for emergency release notification ("CERCLA" List):

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-
Common Name: Bisphenol A
CAS Number: 80-05-7
Percent in Composition: 1 - 5 % by wt

SARA Title III: Section 313 Toxic Chemical List (TCL): This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-
Common Name: Bisphenol A
Percent in Composition: 1 - 5 % by wt
Comment:

Effective Date: 4/13/10

TSCA Section 8(b) - Inventory Status: Chemical components listed on TSCA Inventory.

TSCA Section 12(b) - Export Notification: This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

International Regulations:

Australian Inventory Status: This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances.

Canadian Inventory Status: This product contains components which are included on the Domestic Substances List (DSL) and the Non-Domestic Substances List (NDSL).

Canadian WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2A, D2B

European Inventory Status (EINECS): This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

Japanese Inventory Status: This product contains one or more chemicals currently not on the Japanese Ministry of International Trade and Industry List of Existing and New Chemical Substances.

State Regulations:

Pennsylvania Right-to-Know: The following is required composition information:

Chemical Name: Limestone
Common Name: Calcium carbonate
CAS Number: 1317-65-3
Comment: Hazardous Substance

Chemical Name: Aluminum hydroxide
Common Name: Hydrated Alumina
CAS Number: 21645-51-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines
Common Name: Polyamide Resin
CAS Number: 68410-23-1
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: PHENOL, 4-NONYL-, BRANCHED
CAS Number: 84852-15-3
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 1,2-Ethanediamine, N-(2-aminoethyl)-
Common Name: Diethylenetriamine
CAS Number: 111-40-0
Comment: Hazardous Substance

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-
Common Name: Bisphenol A
CAS Number: 80-05-7

Effective Date: 4/13/10

Comment: Environmental Hazardous Substance

16. OTHER INFORMATION

MSDS No:	5999
Reason Issued:	4/10 update hazards
Approved By:	Matt Austin
Title:	EHS Chemist

Other Information: B/Si/KL/CA1 (B12121031) [B20]

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