

SAFETY DATA SHEET

Print date: 04/21/2016

Revision Date: 04/21/2016

Revision Number: 1.01

1. COMPANY AND PRODUCT IDENTIFICATION

Product identifier

Product Name: SynDeck® Epoxy Adhesive Part A Resin SA5501

Product code: SA5501-02

Other means of identification

Synonyms No information available

Application

Recommended Use Adhesives and/or Sealants
Uses advised against For industrial use only

Supplier/Manufacturer:

Supplier:
EPMAR Corporation
13240 E. Barton Circle
Whittier, CA 90605-3254
Phone: 562-946-8781
FAX: 562-944-9958
E-mail: she@quakerchem.com
(For Health and Safety Questions)

Emergency telephone number:

* 24 HOUR TRANSPORTATION:
**CHEMTREC: 1-800-424-9300
+703-527-3887 (Call collect outside of US)
* 24 HOUR EMERGENCY HEALTH & SAFETY:
**(800) 523-7010 (Within US only) Outside of US call (703)
527-3887

2. HAZARDS IDENTIFICATION

Classification


OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Skin Sensitization	Category 1
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1
Chronic aquatic toxicity	Category 2

Label Elements

Emergency Overview

DANGER		
Hazard Statements Causes skin irritation Causes serious eye irritation May cause an allergic skin reaction May damage fertility or the unborn child Causes damage to organs through prolonged or repeated exposure Toxic to aquatic life with long lasting effects		
		
Appearance Opaque Tan	Physical State Liquid	Odor Mild

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
wear protective gloves
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Avoid release to the environment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see First Aid on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
Collect spillage

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

None known.

Unknown acute toxicity

2.62000199% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No	Weight %
limestone	1317-65-3	40 - 50%
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	74398-71-3	20 - 30%
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	25068-38-6	20 - 30%
1,3-Dioxolan-2-one, 4-methyl-	108-32-7	5 - 10%
Alkyl Quaternary Ammonium Clay	Proprietary	1 - 5%
Silica, crystalline (quartz)	14808-60-7	<1%
Propylene Glycol monomethyl ether	107-98-2	<1%
Fatty Acids C18 Unsaturated dimers reaction products	162627-17-0	<1%
Solvent naphtha (petroleum), light aromatic	64742-95-6	<1%
Water	Proprietary	<1%
1,2,4-Trimethylbenzene	95-63-6	<1%
Epichlorohydrin	106-89-8	<1%
Phenyl glycidyl ether	122-60-1	<1%
Toluene	108-88-3	<1%
Benzene	71-43-2	<1%

The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**General advice:**

Show this safety data sheet to the doctor in attendance Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off with soap and water. Consult a physician.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact:

Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water.

Ingestion:

If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person Do not induce vomiting without medical advice.

Inhalation:	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
Note to physician:	Treat symptomatically.
Medical condition aggravated by exposure:	Dermatitis and asthma.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use water spray (fog), foam, dry chemical or CO2.
Specific hazards:	Do not allow material to contaminate ground water system.
Special protective equipment for fire-fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific methods:	Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid contact with skin, eyes and clothing. Do not breathe vapour/dust. Use personal protective equipment. Wash thoroughly after handling.
Environmental precautions:	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Avoid subsoil penetration.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Technical measures/precautions:	Provide sufficient air exchange and/or exhaust in work rooms.
Safe handling advice:	In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors/dust. Wear personal protective equipment. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Storage

Technical measures/storage conditions:	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition.
Incompatible products:	Do not store near acids Bases Strong oxidizing agents amines

Safe storage temperature: 50 - 100 °F

Shelf life: 2 years

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	ACGIH Exposure Limits	OSHA TWA (final)	NIOSH - Pocket Guide
limestone	None	15 mg/m ³ 5 mg/m ³	10 mg/m ³ (TWA) 5 mg/m ³ (TWA)
Silica, crystalline (quartz)	0.025 mg/m ³ (TWA)	None	0.05 mg/m ³ (TWA)
Propylene Glycol monomethyl ether	50 ppm (TWA) 100 ppm (STEL)	None	100 ppm (TWA) 360 mg/m ³ (TWA) 150 ppm (STEL) 540 mg/m ³ (STEL)

Engineering measures: Ensure adequate ventilation

Personal Protective Equipment:

General: Eye Wash and Safety Shower

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a NIOSH-certified respirator with organic vapor/P100 filter should be worn.

Eye protection: Safety glasses with side-shields, If splashes are likely to occur, wear:, Face-shield

Hand protection: Impervious butyl rubber gloves

Skin and body protection: Long sleeved clothing, Avoid contact with skin

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Opaque Tan
Odor	Mild
Odor Threshold	No information available
pH concentrate:	No information available
pH Dilution	No information available

Melting/freezing point	No information available
Boiling Point/Range	No information available
Flash Point	> 99 °C / > 210 °F
Method	Seta closed cup
Evaporation rate	No information available
Flammability Limits in Air	
upper flammability limit	No information available
lower flammability limit	No information available
VOC Content Product (lb/gal)	0
VOC Content Product (g/L)	0
VOC less water and exempt (lb/gal)	0
VOC less water and exempt (g/L)	0
VOC	0
HAP Content Product (g/L):	0
HAP Content Product (lb/gal)	0
Solids (% w/w):	97.31
Solids (% v/v):	96.98
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity (g/cc, 15 C)	No information available
Density @ 25 ° C. (g/cc):	1.5
Bulk Density @ 77° F. (lb/gal):	12.52
Water Solubility	Insoluble
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition Temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	117,000 cP

Molecular Weight

No information available

10. STABILITY AND REACTIVITY

- Stability:** Stable under recommended storage conditions.
- Conditions to avoid:** High temperatures.
- Materials to avoid:** Strong acids and oxidising agents. Strong bases. Amines.
- Hazardous decomposition products:** Smoke. Carbon oxides.
- Hazardous Polymerization:** Stable at normal conditions.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product. Data obtained on components are summarized below.

Information on likely routes of exposure

- Inhalation** May cause irritation of respiratory tract.
- Eye Contact** Irritating to eyes.
- Skin Contact** Irritating to skin. May cause sensitization by skin contact.
- Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Components	LD50 Oral	LD50 Dermal	LC50 Inhalation
limestone	-	-	-
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	-	-	-
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	= 11400 mg/kg (Rat) Oral LD50 Rat 11400 mg/kg (Source: NLM_CIP)	-	-
1,3-Dioxolan-2-one, 4-methyl-	= 29000 mg/kg (Rat) Oral LD50 Rat 29000 mg/kg (Source: NLM_CIP)	> 20 mL/kg (Rabbit) Dermal LD50 Rabbit >20 mL/kg (Source: NLM_CIP)	-
Alkyl Quaternary Ammonium Clay	-	-	-
Silica, crystalline (quartz)	= 500 mg/kg (Rat) Oral LD50 Rat 500 mg/kg (Source: IUCLID)	-	-
Propylene Glycol monomethyl ether	= 5000 mg/kg (Rat) Oral LD50 Rat 5000 mg/kg (Source: JAPAN_GHS)	= 13 g/kg (Rabbit) Dermal LD50 Rabbit 13 g/kg (Source: NLM_CIP)	> 7559 ppm (Rat) 6 h Inhalation LC50 Rat >7559 ppm 6 h (no deaths occurred, vapor, Source: OECD_SIDS)
Fatty Acids C18 Unsaturated dimers	-	-	-

reaction products			
Solvent naphtha (petroleum), light aromatic	= 8400 mg/kg (Rat) Oral LD50 Rat 8400 mg/kg (Source: NLM_CIP)	> 2000 mg/kg (Rabbit) Dermal LD50 Rabbit >2000 mg/kg (Source: IUCLID)	= 3400 ppm (Rat) 4 h Inhalation LC50 Rat 3400 ppm 4 h (Source: IUCLID)
Water	90 mL/kg (Rat)	-	-
1,2,4-Trimethylbenzene	= 3280 mg/kg (Rat) Oral LD50 Rat 3280 mg/kg (Source: NZ_CCID)	> 3160 mg/kg (Rabbit) Dermal LD50 Rabbit >3160 mg/kg (Source: IUCLID)	= 18 g/m ³ (Rat) 4 h Inhalation LC50 Rat 18 g/m ³ 4 h (Source: NLM_CIP)
Epichlorohydrin	= 90 mg/kg (Rat) Oral LD50 Rat 90 mg/kg (Source: JAPAN_GHS)	754mg/kg (Rabbit) [EHC 33 (1984)]	250 ppm (Rat) [MOE Risk Assessment vol. 1 (2002)]
Phenyl glycidyl ether	= 2600 mg/kg (Rat) Oral LD50 Rat 2600 mg/kg (Source: JAPAN_GHS)	= 1500 mg/kg (Rabbit) Dermal LD50 Rabbit 1500 mg/kg (Source: JAPAN_GHS)	> 100 ppm (Rat) 8 h Inhalation LC50 Rat >100 ppm 8 h (Source: NLM_CIP)
Toluene	= 2600 mg/kg (Rat) Oral LD50 Rat 2600 mg/kg (Source: JAPAN_GHS)	12124 mg/kg (Rat) 8390 mg/kg (Rabbit)	26700 ppm (Rat) 1 h
Benzene	= 810 mg/kg (Rat) Oral LD50 Rat 810 mg/kg (Source: JAPAN_GHS)	> 8200 mg/kg (Rabbit) Dermal LD50 Rabbit >8200 mg/kg (Source: JAPAN_GHS)	= 44.66 mg/L (Rat) 4 h Inhalation LC50 Rat 44.66 mg/L 4 h (vapor, Source: JAPAN_GHS)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	IARC Carcinogens	NTP	OSHA - Select Carcinogens
limestone	Not listed	Not listed	Not listed
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	Not listed	Not listed	Not listed
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	Not listed	Not listed	Not listed
1,3-Dioxolan-2-one, 4-methyl-Alkyl Quaternary Ammonium Clay	Not listed	Not listed	Not listed
Silica, crystalline (quartz)	Group 1	Known Carcinogen	Present
Propylene Glycol monomethyl ether	Not listed	Not listed	Not listed
Fatty Acids C18 Unsaturated dimers reaction products	Not listed	Not listed	Not listed
Solvent naphtha (petroleum), light aromatic	Not listed	Not listed	Not listed
Water	Not listed	Not listed	Not listed
1,2,4-Trimethylbenzene	Not listed	Not listed	Not listed
Epichlorohydrin	Group 2A	Reasonably Anticipated to be a Carcinogen	Present

Phenyl glycidyl ether	Group 2B	Not listed	Present
Toluene	Group 3	Not listed	Not listed
Benzene	Group 1	Known Carcinogen	Present

Sensitization	Product contains a component that is classified as a skin sensitizer. No studies have been conducted on the product itself.
Mutagenic effects:	No information available.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
Teratogenic	No information available.
Specific target organ systemic toxicity (single exposure)	No information available.
Specific target organ systemic toxicity (repeated exposure)	May cause disorder and damage to the, Central nervous system (CNS).
Aspiration hazard	No information available.

Additional information on toxicological effects

No information available

12. ECOLOGICAL INFORMATION

Components	Ecotoxicity - Fish Species Data:	Ecotoxicity - Freshwater Algae Data:	Ecotoxicity - Water Flea Data:
limestone	No data	No data	No data
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	No data	No data	No data
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	No data	No data	No data
1,3-Dioxolan-2-one, 4-methyl-	> 1000 mg/L LC50	>500mg/L > 500 mg/L EC50	EC50 (Daphnia magna - 48h) = 500 mg/L
Alkyl Quaternary Ammonium Clay	No data	No data	No data
Silica, crystalline (quartz)	No data	No data	No data
Propylene Glycol monomethyl ether	= 20.8 g/L LC50	=23300mg/L	EC50 (Daphnia magna - 48h) = 23300 mg/L
Fatty Acids C18 Unsaturated dimers reaction products	No data	No data	No data
Solvent naphtha (petroleum), light aromatic	= 9.22 mg/L LC50	=6.14mg/L	EC50 (Daphnia magna - 48h) = 6.14 mg/L
Water	No data	No data	No data
1,2,4-Trimethylbenzene	7.19 - 8.28 mg/L LC50	=6.14mg/L	EC50 (Daphnia magna - 48h) = 6.14 mg/L

Epichlorohydrin	= 35 mg/L LC50 = 30.5 mg/L LC50 9.1 - 12.3 mg/L LC50	=24mg/L	EC50 (Daphnia magna - 48h) = 24 mg/L
Phenyl glycidyl ether	No data	No data	No data
Toluene	15.22 - 19.05 mg/L LC50 = 12.6 mg/L LC50 5.89 - 7.81 mg/L LC50 14.1 - 17.16 mg/L LC50 = 5.8 mg/L LC50 11.0 - 15.0 mg/L LC50 = 54 mg/L LC50 = 28.2 mg/L LC50 50.87 - 70.34 mg/L LC50	5.46 - 9.83mg/L =11.5mg/L > 433 mg/L EC50 = 12.5 mg/L EC50	EC50 (Daphnia magna - 48h) = 5.46 - 9.83 mg/L EC50 (Daphnia magna - 48h) = 11.5 mg/L
Benzene	10.7 - 14.7 mg/L LC50 = 5.3 mg/L LC50 = 22.49 mg/L LC50 = 28.6 mg/L LC50 22330 - 41160 µg/L LC50 70000 - 142000 µg/L LC50	8.76 - 15.6mg/L =10mg/L = 29 mg/L EC50	EC50 (Daphnia magna - 48h) = 8.76 - 15.6 mg/L EC50 (Daphnia magna - 48h) = 10 mg/L

71.12684% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and Degradability No information available.

Bioaccumulation No information available.

Components	Octanol/water partition coefficient
limestone	-
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	-
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	-
1,3-Dioxolan-2-one, 4-methyl-	0.48
Alkyl Quaternary Ammonium Clay	-
Silica, crystalline (quartz)	-
Propylene Glycol monomethyl ether	-0.437
Fatty Acids C18 Unsaturated dimers reaction products	-
Solvent naphtha (petroleum), light aromatic	-
Water	-
1,2,4-Trimethylbenzene	3.63
Epichlorohydrin	0.3
Phenyl glycidyl ether	-
Toluene	2.65
Benzene	1.83

Mobility: No data available

Ozone: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a

permitted facility or as advised by your local hazardous waste regulatory authority.

Contaminated packaging: Do not re-use empty containers

Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Sweep up and shovel into suitable containers for disposal

Components Epichlorohydrin
106-89-8

RCRA - Hazardous Constituents - Appendix:	U041
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Components Toluene
108-88-3

US EPA Waste Number	D001
RCRA - Hazardous Constituents - Appendix:	U220

Components Benzene
71-43-2

RCRA - Hazardous Constituents - Appendix:	U019
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14. TRANSPORT INFORMATION

U. S. DEPARTMENT OF TRANSPORTATION:

UN/NA ID Number: UN3082
Proper shipping name: Environmentally Hazardous substance, liquid, n.o.s.
(Epichlorohydrin-bisphenol A resin)
Hazard class: 9
PG: III
DOT ERG: ERG 171
Additional DOT Information: When in individual containers of less than 119 gallons, this material ships as non-regulated.

TDG (CANADA):

UN nr: UN3082
Proper shipping name: Environmentally Hazardous substance, liquid, n.o.s.
(Epichlorohydrin-bisphenol A resin)
TDG Hazard Classification: 9
Packing group: III

IMDG/IMO:

UN nr: UN3082
Proper shipping name: Environmentally Hazardous substance, liquid, n.o.s.
(Epichlorohydrin-bisphenol A resin)
Class: 9
Packing group: III
Limited quantity: 1.0 L

IATA/ICAO:

UN nr: UN3082
Proper shipping name: Not Regulated
Hazard Class: 9
Packing group: III

Maximum quantity for cargo only: 450 L
 Maximum quantity for passenger: 450 L
 Limited quantity: 30 kg

15. REGULATORY INFORMATION

Federal Regulations

OSHA Hazard Communication Standard: This product is considered to be hazardous under the OSHA Hazard Communication Standard.

CERCLA/SARA Information:

SARA (311, 312) hazard class: This product possesses the following SARA Hazard Categories:

Immediate Health (Acute): Yes
Delayed Health (Chronic): No
Flammability: No
Pressure: No
Reactivity: No

Components	Hazardous Substances and RQs	Extremely Hazardous Substances and TPQs	SARA 313 Emission Reporting
limestone	Not listed	Not listed	Not listed
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	Not listed	Not listed	Not listed
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	Not listed	Not listed	Not listed
1,3-Dioxolan-2-one, 4-methyl-Alkyl Quaternary Ammonium Clay	Not listed	Not listed	Not listed
Silica, crystalline (quartz)	Not listed	Not listed	Not listed
Propylene Glycol monomethyl ether	Not listed	Not listed	1.0%
Fatty Acids C18 Unsaturated dimers reaction products	Not listed	Not listed	Not listed
Solvent naphtha (petroleum), light aromatic	Not listed	Not listed	Not listed
Water	Not listed	Not listed	Not listed
1,2,4-Trimethylbenzene	Not listed	Not listed	1.0 %
Epichlorohydrin	100 lb	1000 lb	0.1 %
Phenyl glycidyl ether	Not listed	Not listed	Not listed
Toluene	1000 lb	Not listed	1.0 %
Benzene	10 lb	Not listed	0.1 %

Clean Air and Clean Water Acts:

Components	Hazardous Air Pollutants	CWA - Hazardous Substances	CWA - Toxic Pollutants	CWA - Priority Pollutants
limestone	Not listed	Not listed	Not listed	Not listed
9-Octadecenoic acid,	Not listed	Not listed	Not listed	Not listed

12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer				
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	Not listed	Not listed	Not listed	Not listed
1,3-Dioxolan-2-one, 4-methyl-	Not listed	Not listed	Not listed	Not listed
Alkyl Quaternary Ammonium Clay	Not listed	Not listed	Not listed	Not listed
Silica, crystalline (quartz)	Not listed	Not listed	Not listed	Not listed
Propylene Glycol monomethyl ether	Not listed	Not listed	Not listed	Not listed
Fatty Acids C18 Unsaturated dimers reaction products	Not listed	Not listed	Not listed	Not listed
Solvent naphtha (petroleum), light aromatic	Not listed	Not listed	Not listed	Not listed
Water	Not listed	Not listed	Not listed	Not listed
1,2,4-Trimethylbenzene	Not listed	Not listed	Not listed	Not listed
Epichlorohydrin	Present	Listed	Not listed	Not listed
Phenyl glycidyl ether	Not listed	Not listed	Not listed	Not listed
Toluene	Present	Listed	Listed	Listed
Benzene	Present	Listed	Listed	Listed

U.S. STATE REGULATIONS (RTK):

Components	California Proposition 65	PARTK	MI Critical Materials	NJRTK	MARTK
limestone	Not Listed	Present	Not Listed	4001	Present
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
1,3-Dioxolan-2-one, 4-methyl-	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Alkyl Quaternary Ammonium Clay	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Silica, crystalline (quartz)	carcinogen	Present	Not Listed	1660	Carcinogen Extraordinarily hazardous
Propylene Glycol monomethyl ether	Not Listed	Present	Not Listed	1613	Present
Fatty Acids C18 Unsaturated dimers reaction products	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), light aromatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Water	Not Listed	Present	Not Listed	Not Listed	Not Listed
1,2,4-Trimethylbenzene	Not Listed	Environmental	Not Listed	2716	Present

		hazard			
Epichlorohydrin	carcinogen male reproductive toxicity	Environmental hazard Special hazardous substance	Not Listed	0828	Carcinogen Extraordinarily hazardous
Phenyl glycidyl ether	carcinogen male reproductive toxicity	Present	Not Listed	1497	Present
Toluene	developmental toxicity	Environmental hazard	100 lb	1866	Present
Benzene	carcinogen male reproductive toxicity developmental toxicity	Environmental hazard Present Special hazardous substance	100 lb	0197	Carcinogen Extraordinarily hazardous

California Proposition 65 Status: May contain trace amounts of listed chemicals: benzene, toluene, epichlorohydrin, and phenyl glycidyl ether.

RCRA Status: Not regulated

CANADIAN REGULATIONS:

Components	CEPA Schedule I	Challenge Substances
limestone	Not listed	Not listed
9-Octadecenoic acid, 12-(oxiranylmethoxy)-, 1,2,3-propanetriyl ester, homopolymer	Not listed	Not listed
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	Not listed	Not listed
1,3-Dioxolan-2-one, 4-methyl-	Listed	Not listed
Alkyl Quaternary Ammonium Clay	Not listed	Not listed
Silica, crystalline (quartz)	Not listed	Listed
Propylene Glycol monomethyl ether	Listed	Not listed
Fatty Acids C18 Unsaturated dimers reaction products	Not listed	Not listed
Solvent naphtha (petroleum), light aromatic	Not listed	Not listed
Water	Not listed	Not listed
1,2,4-Trimethylbenzene	Listed	Not listed
Epichlorohydrin	Listed	Listed
Phenyl glycidyl ether	Not listed	Not listed
Toluene	Listed	Not listed
Benzene	Listed	Not listed

INVENTORY STATUS:

United States TSCA Inventory: This product does not comply with TSCA

Canada DSL/NDSL Inventory List Compliance has not been determined

16. OTHER INFORMATION

Sources of key data used to compile Material safety data sheets of the ingredients.
the data sheet:

Prepared by: Safety, Health and Environmental Department

Revision Date: 04/21/2016

Reason for revision: Name change.

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

Disclaimer

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. The company referenced in this Safety Data Sheet assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of such company.

End of Safety Data Sheet