



ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT



SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [ElastoShield™](#)

Product Description: Elastomeric water-proofing membrane

Intended Use: Water-proofing substrates for cement-based coatings

Company

Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)
1-800-262-8200 Chemtrec
+1 703-741-5500 Chemtrec International
info@surecretedesign.com (e-mail)
1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No need for classification according to GHS criteria for this product.

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Hazard Symbol: None.

Other hazards which do not result in classification or are not covered by the GHS

If the product adheres to skin, irritation may occur when it dries. Use with local exhaust ventilation. Wear suitable protective clothing, gloves and eye/face protection. Wear full face shield if splashing hazard exists.

SECTION 3 Composition / Information on Ingredients

This product does not contain any components classified as hazardous under the referenced regulation. The chemical identity and concentration or concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut-off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes.)

SECTION 4 First Aid Measures

General advice: Remove contaminated clothing.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical



ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT



Skin contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Notes to physician: Treat symptomatically. No specific treatment.

SECTION 5 Fire Fighting Measures

Extinguishing Media: water spray, foam, dry powder.

Special Hazards: None known.

Unusual Fire and Explosion Hazard: None.

Advice for firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

SECTION 6 Accidental Release Measures

Personal precautions: Use personal protective clothing. Avoid contact with skin and eyes. High risk of slipping due to leakage/spillage of product.

Environmental precautions: Do not release untreated into natural waters.

Methods for clean-up: For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

SECTION 7 Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

Conditions of safe storage: Store protected against freezing.

SECTION 8 Exposure Control / Personal Protection

Advice on system design: Ensure adequate ventilation.

Personal Protective Equipment

Eye/face protection: Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Skin protection: Chemical resistant protective gloves.



ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT



Respiratory protection: Wear respiratory protection if ventilation is inadequate.

Hygiene Measures: Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

SECTION 9 Physical and Chemical Properties

General

Physical state: Thick thixotropic liquid
Color: Reddish
Odor: Faint ammonia
Odor Threshold: Not available

Safety Data

pH in water: 8 – 9
Melting point: Not available
Boiling point: 100°C (212°F)
Flash point: >149°C (>300°F)
Flammability: Not flammable
Lower explosion limits: Not applicable
Upper explosion limits: Not applicable
Self-ignition: Not self-igniting
Freeze Point: Not available
Evaporation rate: Not applicable
Vapor pressure (mm Hg.): 23.4 hPa @ 20 C (68 F)
Water solubility: Partly soluble
Miscibility: miscible
Vapor density (air = 1): Not determined
Relative density: 1.01

SECTION 10 Stability and Reactivity

Chemical stability: Stable under normal storage conditions.

Possibility of Hazardous reactions: None under normal conditions of storage and use. After long storage, slight quantities of carbon monoxide may be formed.

Conditions to avoid: No specific data.

Incompatible materials: Metal salts.

Hazardous decomposition products: Carbon dioxide, carbon monoxide, hydrocarbons.

SECTION 11 Toxicological Information

Component Information

Chemical Name	Oral LD50	Inhalation LC50	Dermal
Elasto-Shield	>2000 - 10000 mg/kg (Rat)	>5 mg/L 4 hr. determined for mist	>5000 mg/kg



ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT



Acute Toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually non-toxic by inhalation. Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Primary routes of exposure: Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Assessment other acute effects: Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion: Not irritating to eyes and skin. May cause mechanical irritation. If the product adheres to skin, irritation may occur when it dries. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard: No data available.

Sensitization: Assessment of sensitization: The product contains a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) (CAS 55965-84-9). May produce an allergic reaction. Due to the low concentrations in this product, sensitization is not expected to occur.

Chronic Toxicity/Effects:

Specific target organ toxicity- repeated exposure: No adverse effects were observed after repeated exposure in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity: The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition

Carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Reproductive toxicity: Not expected to cause reproductive toxicity (based on composition).

Teratogenicity: The data available for an assessment of the effect of the substance on developmental toxicity are not sufficient for a proper evaluation.

Experiences in humans: The product is considered to be harmless to health if used in the correct manner.

Other Information: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

Symptoms of Exposure: No significant symptoms are expected due to the non-classification of the product.

SECTION 12 Ecological Information



ELASTO-SHIELD WATERPROOFING/CRACK SUPPRESSANT



Chemical Name	Fish LC50	Algae/aquatic plants EC50	Crustacea EC50
Elasto-Shield	Brachydanio rerio >100 mg/L 96 h	Scenedesmus subspicatus >100 mg/L 72 h	Daphnia magna >100 mg/L 48 h

Persistence and degradability: The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge. > 70 % DOC reduction (OECD 302B; ISO 9888; 88/302/EEC,part C) Easily eliminated from water.

Bio accumulative potential: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Mobility in soil: No data available.

Additional information: Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected. Ecological data are determined by analogy.

SECTION 13 Disposal Considerations

Methods of disposal: Incinerate or dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent un-authorized use of used containers.

Section 14 Transport Information

International transport regulations

This product is not regulated for transport.

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Additional information	Marine pollutant
DOT		Not regulated			none	
ADR/RID class		Not regulated			none	
IMDG class		Not regulated			none	
IATA class		Not regulated			none	

SECTION 15 Regulatory Information

US federal regulations: This product is not hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

SARA 311/312 Hazardous chemical: Not hazardous.

US state regulations:

US. California Proposition 65: Warning: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.



**ELASTO-SHIELD
WATERPROOFING/CRACK SUPPRESSANT**



SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete MSDS

Hazard Rating:

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	1	0

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



COLORTEC 600WB PIGMENTED EPOXY



SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [ColorTec 600WB \(DTB\) Part A](#)
Product Description: Water Based Pigmented Epoxy / Part A
Intended Use: Cementitious sealer / resin

Company

Manufacturer: SureCrete Design Products, Inc.
15246 Citrus Country Drive
Dade City, FL 33523
USA

Contact: 1-352-567-7973 (telephone general)
1-800-262-8200 Chemtrec
+1 703-741-5500 Chemtrec International
info@surecretedesign.com (e-mail)
1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity: oral	Category 4	H302
Acute toxicity: inhalation	Category 4	H332
Skin corrosion/irritation	Category 2	H315
Serious eye damage/eye irritation	Category 1	H318
Specific target organ toxicity (single exposure) Blood system, stomach	Category 1	H370
Specific target organ toxicity (single exposure) kidneys	Category 1	H372

GHS Label Elements:

Hazard Symbol:



Signal Word: Danger

Label Hazard Statements:

- H302: Harmful if swallowed.
- H332: Harmful if inhaled.
- H315: Causes skin irritation
- H318: Causes serious eye damage.
- H370: Causes damage to organs (blood system, stomach).



COLORTEC 600WB PIGMENTED EPOXY



H372: Causes damage to organs through prolonged or repeated exposure (kidneys).

Label Precautionary Statements:

- P280: Wear protective gloves/clothing and eye/face protection.
- P271: Use only outdoors or in a well-ventilated area.
- P260: Do not breathe vapor.
- P270: Do not eat, drink or smoke when using this product.
- P264: Wash hands thoroughly after handling.
- P314: Get Medical advice/attention if you feel unwell.
- P308+311: IF exposed or concerned: Call a POISON CENTER/ doctor
- P304+340+311: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CEN-TER/ doctor if you feel unwell.
- P301+312+330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
- P302+352+362+363: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash con-taminated clothing before reuse.
- P332+313: If skin irritation occurs: Get medical advice/attention.
- P305+351+338+310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER/doctor.
- P405: Store locked up.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	2	1	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Aliphatic polyamine (proprietary)	NA	NA	<32%
Ethylene glycol monopropyl ether	2807-30-9		<1%
Non Hazardous			
	Trade secret		<59%

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

SECTION 4 First Aid Measures

Inhalation: Get medical attention immediately. Call a poison center or physician. Move to an area free from further exposure. Keep in a position that is comfortable for breathing. If it is expected that fumes are still present the rescuer should wear an appropriate mask or SCBA. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to provide mouth-to-mouth resuscitation. If unconscious place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, i.e. tie, belt, collar, or waistband.

Skin Contact: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contact areas with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.



COLORTEC 600WB PIGMENTED EPOXY



Eye Contact: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Get medical attention if irritation develops. Chemical burns must be treated promptly by a physician.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Move to an area free from further exposure. Keep in a position that is comfortable for breathing. If victim has swallowed product, give small quantities of water to drink. Stop if victim feel sick. Do not induce vomiting, unless directed to do so. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Chemical burns must be treated promptly by a physician. If unconscious place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing, i.e. tie, belt, collar, or waistband.

Note to Physician: Treat symptomatically. Contact poison treatment specialist if large quantities have been ingested or inhaled.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Use a suitable extinguishing agent for surrounding fire.

Inappropriate Extinguishing Media: None known.

Fire Fighting Instructions: Wear self-contained breathing apparatus. Wear protective equipment.

Unusual Fire Hazards: Formation of carbon oxides and rupturing of vessels are possible during heating or in case of fire.

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment, Emergency Procedures: Isolate the area and prevent access of unauthorized personnel. Wear necessary personal protective equipment (PPE) as specified in the SDS or the site emergency response plan.

Methods and Materials for Containment and Clean-up: Control the source of the leak. Contain the released material by damming, diking, retaining, or diverting into an appropriate containment area. Move containers from the spill area. Dilute with water and mop up. Alternatively, absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Clean the affected area carefully; suitable cleaners are: Warm water. Dispose of as hazardous waste.

Environmental precautions: Do not allow to enter drainage system, surface or ground water.

SECTION 7 Handling and Storage

Handling: Do not breathe vapors, mists, or dusts. Use adequate ventilation to keep below the exposure limits. Wear respiratory protection if material is heated, sprayed, used in a confined space, or if the exposure limit is exceeded. Avoid contact with skin and eyes. Wear appropriate eye and skin protection. Wash thoroughly after handling. Do not resealed if contamination is suspected.



COLORTEC 600WB PIGMENTED EPOXY



Storage: Keep away from food and drink. Keep container tightly sealed. Store containers in a cool, well ventilated area. Do not reseal if contamination is suspected.

SECTION 8 Exposure Control / Personal Protection

Engineering controls: Ensure for good ventilation/suction.

Exposure limit values:

Component	Value / Source			
Synthetic wax	TWA	10 mg/m	Total - PNOC particulates not otherwise classified	ACGIH TLV
Synthetic wax	TWA	10 mg/m ³	Total - PNOC particulates not otherwise classified	OSHA PEL
Petroleum distillates, solvent dewaxed, light paraffinic 64742-56-9	TWA	5 mg/m ³	Oil mist	ACGIH TLV
Petroleum distillates, solvent dewaxed, light paraffinic 64742-56-9	TWA	5 mg/m ³	Oil mist	OSHA PEL
Petroleum distillates, solvent dewaxed, light paraffinic 64742-56-9	STEL	10 mg/m ³	Oil mist	ACGIH TLV
Petroleum distillates, solvent dewaxed, heavy paraffinic 64742-65-0	TWA	5 mg/m ³	Oil mist	ACGIH TLV
Petroleum distillates, solvent dewaxed, heavy paraffinic 64742-65-0	STEL	10 mg/m ³	Oil mist	ACGIH TLV
Petroleum distillates, solvent dewaxed, heavy paraffinic 64742-65-0	PEL	5 mg/m ³	Oil mist	OSHA PEL

**Note: These ingredients provide no hazard as offered in completed product. They cannot become airborne dust, as they are in fluid solution.*

Control parameters: Good industrial hygiene practice dictates that worker protection should be achieved through engineering controls, such as ventilation, whenever feasible. When such controls are not feasible to achieve full protection, the use of respirators and other personal protective equipment is mandated. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

Personal Protection:

Respiratory protection: Suitable breathing mask when there is inadequate ventilation.

Hand protection: Suitable protective gloves, glove material has to be impermeable and resistant to the product.

Eye protection: When directly handling liquid product, eye protection is required. Examples of eye protection include a chemical safety goggle, or chemical safety goggle in combination with a full face shield when there is a greater risk of splash.

Skin and body protection: Avoid all skin contact. Depending on the conditions of use, cover as much of the exposed skin area as possible with appropriate clothing to prevent skin contact. Gloves, long sleeved shirts and pants.



COLORTEC 600WB PIGMENTED EPOXY



SECTION 9 Physical and Chemical Properties

General

Appearance: Liquid
Color: Yellowish, whitish
Odor: Mild ammonia

Safety Data

pH: No data available
Melting point: No data available
Boiling point: 100-150 °C / 212-302 °F
Flash point: >93 °C / 200 °F
Evaporation rate: Not available
Flammability (solid, gas): Not available
Explosive limits: Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: Not available
Solubility(ies): Not available
Partition coefficient: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: Stable under normal conditions.

Conditions to avoid: Extremes of temperature and direct sunlight. All sources of ignition.

Materials to avoid: Strong acid, strong base, strong oxidizer.

Hazardous decomposition products: In normal conditions, should not occur.

Other hazards: Reacts with considerable heat with some curing agents.

SECTION 11 Toxicological Information

Route of Exposure: Not available

Potential acute health effects:

Eye contact: Causes serious damage.

Inhalation: Harmful if inhaled. May give off gas, vapor, or dust that is very irritating or corrosive to the respiratory system.

Skin contact: Causes skin irritation.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat, and stomach.

Symptoms related to the physical, chemical, and toxicological characteristics:



COLORTEC 600WB PIGMENTED EPOXY



Eye contact: Pain, watering, redness.
Inhalation: No data available.
Skin contact: Pain, irritation, redness, blistering.
Ingestion: Pain

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg (Rat)	870 mg/kg (Rabbit)	No data available
Synthetic wax	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>6.3 mg/L (Rat)

General: Causes damage to organs through prolonged or repeated exposure.

Carcinogenicity, Mutagenicity, Teratogenicity, Developmental effects, Fertility effects: No known significant effects or critical hazards.

SECTION 12 Ecological Information

Biological degradability data available.

Bio accumulative potential:

Ethylene glycol monopropyl ether (CAS 2807-30-9)

LogPow: 0.08

Potential: low

Eco toxicity: Toxic to aquatic life with long-lasting effects

Chemical Name	CAS No	Species	LC50 (mg/L)	Exposure (Method)
Synthetic wax	64742-95-6	Oncorhynchus mykiss	>1000	96 h
		Daphnia magna	140	48 h
Petroleum distillates, solvent dewaxed, light paraffinic	64742-56-9	Oncorhynchus mykiss	5000	96 h
		Daphnia magna	1000	48 h
Petroleum distillates, solvent dewaxed, heavy paraffinic	64742-65-0	Oncorhynchus mykiss	5000	96 h
		Daphnia magna	1000	48 h

Other adverse effects: None known.

SECTION 13 Disposal Considerations

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14 Transport Information

CFR: Not regulated for transport.

DOT



COLORTEC 600WB PIGMENTED EPOXY



UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (aliphatic polyamine)

Class: 9

Packing group: III

IMDG

UN number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (aliphatic polyamine)

Class: 9

Packing group: III

SECTION 15 Regulatory Information

US federal regulations:

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

TSCA Section 5(a)2 Final significant new use rules: Not listed

TSCA Section 5(a)2 Proposed significant new use rules: Not listed

TSCA Section 5(e) Substances consent order: Not listed

TSCA 8b US inventory: All components are listed or exempted

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 313 (TRI reporting): Ethanol, 2-propoxy- (CAS 2807-30-9)

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts Right to Know Substance List: Petroleum distillates, solvent dewaxed, light paraffinic (CAS 64742-56-9)

California Proposition 65: This product contains no chemical(s) known to the State of California to be Carcinogenic.

International Inventories

Country(s) or region Inventory name on inventory (yes/no)*

Australia: Australian Inventory of Chemical Substances (AICS) Yes

Canada: Domestic Substances List (DSL) Yes

Canada: Non-Domestic Substances List (NDSL) Yes

China: Inventory of Existing Chemical Substances in China (IECSC) Yes

Japan: Inventory of Existing and New Chemical Substances (ENCs) Yes

Korea: Existing Chemicals List (ECL) Yes

New Zealand: New Zealand Inventory Yes

Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

Taiwan: (CSNN) Yes

**A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).*



COLORTEC 600WB
PIGMENTED EPOXY



the inventory administered by the governing country(s).

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS.

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



UV SHIELD 100% SOLIDS EPOXY



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME: UV SHIELD

NAME, ADDRESS, AND TELEPHONE OF THE RESPONSIBLE PARTY

CONCRETE COATINGS INCORPORATED
1105 NORTH 1600 WEST
LAYTON, UT 84041
801-544-8771
INFO@CONCRETECOATINGSINC.COM
WWW.CONCRETECOATINGSINC.COM

EMERGENCY TELEPHONE NUMBER

EMERGENCY NUMBER: CHEMTREC: 800-443-2871

SECTION 2 – HAZARDOUS IDENTIFICATION

HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NO.	OSHA TWL	OSHA PEL	LD 50 ORAL	LC 50 INHALATION
BISPHENOL A EPOXY RESIN	25068-36-6	N/A	N/A	11.4 G/KG (RATS)	NO DEATHS (2)
CRYSTALLINE SILICA	2426-08-6 N/A	25 PPM	N/A	2.26 G/KG (RATS)	1030 PPM (RATS)
TRIETHYLENETETRAMINE <7.0	112-24-3	N/A	N/A	N/A	N/A
BENZYL ALCOHOL < 12.0	100-51-6	N/A	N/A	N/A	N/A

THE REMAINING COMPONENTS ARE TRADE SECRET

SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

	A	B
BOILING POINT	N/A	>177°C (>350°F)
SPECIFIC GRAVITY (WATER = 1)	1.13	1.00
VAPOR PRESSURE (MM HG)	N/A	<3.00 (MM/HG AT 21°C/70°F)
VAPOR DENSITY (AIR = 1)	N/A	N/A
SOLUBILITY IN WATER	NEGLIGIBLE	SLIGHT (0.2 - 2%)
MELTING POINT	N/A	N/A
APPEARANCE & ODOR	CLEAR TO AMBER LIQUID, WITH SLIGHT AROMATIC AND IRRITATING ODOR	SLIGHT AMBER TO CLEAR, WITH MILD AMOONIACAL ODOR

SECTION 4 – FIRE AND EXPLOSION DATA

	A	B
FLASH POINT	166°F (74°C) SETA FLASH-CLOSED CUP	>275°C (244°F)
FLAMMABLE LIMITS	LEL: N/A UEL: N/A	LEL: N/A UEL: N/A
EXTINGUISHING MEDIA	WATER, FOG, FOAM, DRY CHEMICAL OR CO2	



UV SHIELD 100% SOLIDS EPOXY



SPECIAL FIRE FIGHTING PROCDURES

MATERIAL WILL NOT BURN UNLESS PREHEATED. FIREFIGHTERS SHOULD WEAR FULL BUNKER GEAR WHICH SHOULD INCLUDE BUTYL RUBBER BOOTS, GLOVES, HELMET WITH FACE SHIELD, BODY SUIT AND A SELF-CONTAINED BREATHING APPARATUS. COOL EXPOSED CONTAINERS WITH H2O

UNUSUAL FIRE/EXPLOSION HAZARDS

SEE SECTION 5

SECTION 5 – REACTIVITY DATA

STABILITY:
CONDITIONS TO AVOID:

STABLE
A: STRONG ACIDS, STRONG LEWIS ACIDS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES-ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES. REACTION WITH SOME CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT. RUN-A-WAY CURE REACTIONS MAY CHAR AND DECOMPOSE THE RESIN SYSTEM, GENERATING UNIDENTIFIED FUMES AND VAPORS WHICH MAY BE TOXIC.

B: GENERATING UNIDENTIFIED FUMES AND VAPORS WHICH MAY BE TOXIC AND IRRITATING COMBUSTION PRODUCTS. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT MIXED WITH AN OXIDIZING AGENT.

HAZARDOUS DECOMPOSITION PRODUCTS:

A: CARBON MONOXIDE, ALDEHYDES, ACIDS, AND OTHER ORGANIC SUBSTANCES MAY BE FORMED DURING COMBUSTION OR ELEVATED (5000°F / 260°C) WITH TEMPERATURE DEGRADATION.

B: CARBON MONOXIDE GAS, TOXIC NITROGEN OXIDE GASES, AND AMMONIA GAS MAY BE GENERATED.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION 6 – HEALTH HAZARD DATA

INHALATION:
SKN CONTACT:

INHALATION OF MIST OR VAPOR CAN CAUSE IRRITATION OF UPPER RESPIRATORY TRACT. DIRECT OR REPEATED SKIN CONTACT CAN CAUSE SLIGHT SKIN IRRITATION, FLAKING, AND SOFTENING OF SKIN. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.

EYE CONTACT:

DIRECT CONTACT TO EYES CAN CAUSE IRRITATION, TEARING, SWELLING, AND POSSIBLE BURNING SENSATION. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.

EMERGENCY AND FIRST AID PROCEDURES

EYES:
SKIN:

FLUSH EYES WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN IF IRRITATION PERSISTS. REMOVE CONTAMINATED CLOTHING / SHOES AND WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. DO NOT REUSE CLOTHING UNTIL CLEANED. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DESTROYED TO PREVENT REUSE.

INHALATION:
INGESTION:

MOVE VICTIM TO FRESH AIR.
A: DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.
B: CALL PHYSICIAN IMMEDIATELY. REMOVE STOMACH CONTENTS BY GASTRIC SUCTION OR INDUCE VOMITING ONLY AS DIRECTED BY MEDICAL PERSONNEL.

NOTE TO PHYSICIAN:

IN GENERAL, EMESIS INDUCTION IS UNNECESSARY IN HIGH VISCOSITY, LOW VOLATILITY PRODUCTS, E.G....NEAT EPOXY RESINS.



UV SHIELD 100% SOLIDS EPOXY



SECTION 7— SPILL OR LEAK PROCEDURES

IF MATERIAL SPILLS OR LEAKS:	ABSORB MATERIAL WITH INERT MEDIA AND DISPOSE OF IN A CHEMICAL-WASTE CONTAINER. KEEP AWAY FROM MUNICIPAL SEWERS, LAKES, OR STREAMS.
WASTE DISPOSAL:	CONTAINER IS CONSIDERED EMPTY WHEN 3% OR LESS REMAINS. ADDITIONAL SPECIAL HANDLING IS NOT REQUIRED. CONTAINER MAY BE DISCARDED OTHER NON-HAZARDOUS TRASH. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 8— SAFE HANDLING AND STORAGE INFORMATION

RESPIRATORY PROTECTION	NONE REQUIRED UNDER NORMAL CONDITIONS. WHEN MIST OCCURS DURING SPRAYING OPERATIONS, WEAR AN APPROVED DISPOSABLE HALF MASK DUST/MIST RESPIRATOR.
PROTECTIVE EQUIPMENT:	IMPERVIOUS GLOVES, NEOPRENE OR RUBBER; SAFETY GLASSES WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, OR FACE SHIELDS.
OTHER EQUIPMENT AND PRACTICES:	STANDARD PAINTING CLOTHING IS SUITABLE
SPECIAL PRECAUTIONS FOR HANDLING AND STORAGE:	STORE IN A COOL, DRY PLACE. KEEP FROM FREEZING, AS MATERIAL MAY COAGULATE. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

SECTION 9 - SHIPPING INFORMATION

DOT SHIPPING NAME:	N/A
DOT HAZARD CLASS:	N/A
DOT REPORTABLE QUANTITY:	N/A

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A BULLETIN SUCH AS THIS CANNOT BE EXPECTED TO COVER ALL POSSIBLE SITUATIONS. AS THE USER HAS THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE, ALL ASPECTS OF AN INDIVIDUAL OPERATION SHOULD BE EXAMINED TO DETERMINE IF, OR WHERE PRECAUTIONS – IN ADDITION TO THOSE DESCRIBED HEREIN ARE REQUIRED. ALTHOUGH THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE, ALL MATERIALS PRESENT UNKNOWN HEALTH HAZARDS, AND SHOULD BE USED WITH CAUTION AND BY PROPERLY TRAINED PERSONNEL. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST. ANY HEALTH HAZARD AND SAFETY INFORMATION SHOULD BE PASSED ONTO YOUR CUSTOMERS OR EMPLOYEES, AS THE CASE MAY BE. FINAL SUITABILITY OF THE CHEMICAL FOR EACH CIRCUMSTANCE IS THE SOLE RESPONSIBILITY OF THE END USER. NO REPRESENTATION OR WARRANTIES EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN, OR THE CHEMICAL TO WHICH THE INFORMATION REFERS. IT IS THE SOLE RESPONSIBILITY OF THE END USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS. VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED.

CONCRETE COATINGS INCORPORATED WARRANTS ITS PRODUCTS TO BE OF GOOD QUALITY AND WILL REPLACE ANY PRODUCT PROVED DEFECTIVE. SATISFACTORY RESULTS DEPEND NOT ONLY UPON QUALITY PRODUCTS, BUT ALSO UPON MANY FACTORS BEYOND OUR CONTROL. EXACT COLOR CANNOT NOR WILL NOT BE GUARANTEED DUE TO MULTIPLE FACTORS INCLUDING APPLICATION METHODS, CONCRETE CONTENT, WEATHER, ETC. THEREFORE, EXCEPT FOR SUCH REPLACEMENT, CONCRETE COATINGS INCORPORATED MAKES NO WARRANTY OR GUARANTEE EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, AND CONCRETE COATINGS INCORPORATED SHALL HAVE NO OTHER LIABILITY WITH RESPECT THERETO, INCLUDING WITHOUT LIMITATION, LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. USER ASSUMES ALL RISK AND LIABILITY REGARDING USE AND/OR STORAGE OF THIS PRODUCT. ANY CLAIM REGARDING PRODUCT DEFECT MUST BE RECEIVED IN WRITING WITHIN NINETY (90) DAYS FROM THE DATE OF SHIPMENT. NO CLAIM WILL BE CONSIDERED WITHOUT SUCH WRITTEN NOTICE OR AFTER THE SPECIFIED TIME INTERVAL. THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCTS FOR THE INTENDED USE AND ASSUMES ALL RISK AND LIABILITY IN CONNECTION THEREWITH.



2425 POLYASPARTIC



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TK POLYASPARTIC

PRODUCT CODE: TK-2425 A&B

MANUFACTURER: SIERRA CORP/TK PRODUCTS
11400 W 47TH STREET
MINNETONKA, MN 55343
USA

CONTACT: 1-952-938-7223 (TELEPHONE GENERAL)
1-800-424-9300 CHEMTREC
1-952-938-8084 (FACSIMILE)

SECTION 2 HAZARDS IDENTIFICATION

HAZARD STATEMENTS

H226 FLAMMABLE LIQUID AND VAPOR
H304 MAY BE FATAL IF SWALLOWED OR ENTERS AIRWAYS
H315 CAUSES SKIN IRRITATION
H317 MAY CAUSE ALLERGIC SKIN REACTION
H319 CAUSES SERIOUS EYE IRRITATION.
H332 HARMFUL IF INHALED
H334 MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED
H335 MAY CAUSE RESPIRATORY IRRITATION
H340 MAY CAUSE GENETIC DEFECTS
H350 MAY CAUSE CANCER.
H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

PRECAUTIONARY STATEMENTS

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.
P210 KEEP AWAY FROM HEAT/HOT SURFACES/SPARKS/OPEN FLAMES AND OTHER SOURCES OF IGNITION. NO SMOKING.
P233 KEEP CONTAINER TIGHTLY CLOSED.
P240 GROUND AND BOND CONTAINER AND RECEIVING EQUIPMENT.
P241 USE EXPLOSION-PROOF ELECTRICAL / VENTILATION/LIGHTING/HANDLING EQUIPMENT.
P242 USE NON-SPARKING TOOLS.
P243 TAKE ACTION TO PREVENT STATIC DISCHARGE.
P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOR/ SPRAY.
P264 WASH HANDS AND ANY EXPOSED AREA THOROUGHLY AFTER HANDLING.
P271 USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA.
P272 CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.
P281 USE APPROPRIATE PERSONAL PROTECTIVE IMPERVIOUS GLOVES/PROTECTIVE CLOTHING/ OSHA APPROVED EYE PROTECTION/ FACE PROTECTION.

RESPONSE

P301+P310 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER / DOCTOR.
P303+P361+P353 IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER (OR SHOWER).



2425 POLYASPARTIC



P304+P340 IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.
 P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
 P308+P313 IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE / ATTENTION.
 P312 CALL A POISON CENTER/DOCTOR IF YOU FEEL UNWELL.
 P321 SPECIFIC TREATMENT (SEE ON THIS LABEL)
 P331 DO NOT INDUCE VOMITING.
 P333+P313 IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.
 P342+P311 IF EXPERIENCING RESPIRATORY SYMPTOMS: CALL A POISON CENTER/DOCTOR.
 P363 WASH CONTAMINATED CLOTHING BEFORE REUSE.
 P370+P378 IN CASE OF FIRE: USE CARBON DIOXIDE (CO2), POWDER, ALCOHOLRESISTANT FOAM TO EXTINGUISH.

STORAGE

P403+P233 STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED.
 P403+P235 STORE IN A WELL-VENTILATED PLACE. KEEP COOL.
 P405 STORE LOCKED UP.

DISPOSAL

P501 STORE SEPARATELY. DISPOSE OF CONTENTS/ CONTAINER IN ACCORDANCE WITH LOCAL/ REGIONAL/NATIONAL /INTERNATIONAL REGULATIONS.

OTHER HAZARDS: NONE KNOWN

HMS RATING: H F R PPE
 2* 2 0 I

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	WEIGHT PERCENT	EXPOSURE LIMITS	
			OSHA PEL	ACGIH TLV OTHER
HOMOPOLYMER OF HDI	28182-81-2	25-35	0.5 MG/M ³ PEL	
ASPARTIC ESTER	MIXTURE	15-20	NOT ESTABLISHED	
*AROMATIC PETROLEUM DISTILLATES	64742-95-6	10-15	100 PPM	NA
+TRIMETHYLBENZENE	95-63-6	13.1	25 PPM	25 PPM
CUMENE	98-82-8		50 PPM	50 PPM

- * CHEMICAL(S) THAT ARE CHRONIC HEALTH HAZARDS. REFER TO SECTION 3 FOR FURTHER INFORMATION.
- + TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.
- ^ HAZARDOUS AIR POLLUTANT ESTABLISHED BY THE EPA AS DIRECTED BY THE CLEAN AIR ACT OF 1990.

SECTION 4 FIRST AID MEASURES

PRIMARY ROUTES OF EXPOSURE:

SKIN CONTACT, EYE CONTACT, AND INHALATION.

DESCRIPTION OF FIRST AID MEASURES:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. IF IRRITATION DEVELOPS AND PERSISTS, SEEK MEDICAL ATTENTION.



2425 POLYASPARTIC



IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING. IMMEDIATELY ADMINISTER 1-2 GLASSES OF WATER AND CONTACT A PHYSICIAN, HOSPITAL EMERGENCY ROOM, OR POISON CONTROL CENTER FOR FURTHER ADVICE. KEEP PERSON WARM, QUIET AND SEEK IMMEDIATE MEDICAL ATTENTION. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE SEVERE LUNG DAMAGE. VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

INHALATION: MOVE AFFECTED INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, QUALIFIED PERSONNEL SHOULD ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. IF RESPIRATORY SYMPTOMS DEVELOP OR PERSIST, SEEK MEDICAL ATTENTION.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

EYES: CONTACT WITH EYES MAY CAUSE IRRITATION INCLUDING BURNING, WATERING, AND REDNESS.

SKIN: CONTACT MAY CAUSE MILD SKIN IRRITATION INCLUDING REDNESS, BURNING, AND DRYING AND CRACKING OF SKIN. CONTINUED EXPOSURE MAY DEVELOP INTO DERMATITIS. SOLVENTS CAN PENETRATE THE SKIN AND CAUSE SYSTEMATIC EFFECTS SIMILAR TO THOSE UNDER INHALATION SYMPTOMS.

INHALATION: HIGH VAPOR CONCENTRATIONS ARE IRRITATING TO THE EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, ASTHMA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, AND POSSIBLY DEATH.

INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. SMALL AMOUNTS ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY INJURY.

CHRONIC HEALTH EFFECTS:

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE (SOMETIMES REFERRED TO AS SOLVENT OR PAINTER'S SYNDROME). INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS MATERIAL MAY BE HARMFUL OR FATAL. CHRONIC EXPOSURE MAY ALSO CAUSE DAMAGE TO THE RESPIRATORY SYSTEM, LUNGS, EYES, SKIN, GASTROINTESTINAL TRACT, LIVER, SPLEEN AND KIDNEYS. REPEATED SKIN CONTACT MAY CAUSE PERSISTANT IRRITATION OR DERMATITIS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CONDITIONS AGGRAVATED BY EXPOSURE MAY INCLUDE SKIN DISORDERS, RESPIRATORY (ASTHMA-LIKE) DISORDERS, AND PRE-EXISTING LIVER OR KIDNEY CONDITIONS.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

TREAT SYMPTOMATICALLY.

SECTION 5 FIRE AND EXPLOSION HAZARD DATA

SUITABLE EXTINGUISHING MEDIA:

FOAM, CO₂, OR DRY CHEMICAL IS RECOMMENDED. WATER SPRAY IS RECOMMENDED TO COOL OR PROTECT EXPOSED MATERIALS OR STRUCTURES.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

VAPORS MAY BE IGNITED BY HEAT, SPARKS, FLAMES, OR OTHER SOURCES OF IGNITION. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO A SOURCE OF IGNITION WHERE THEY MAY CAUSE A FLASHBACK OR EXPLOSION. IF CONTAINER IS NOT PROPERLY COOLED, IT CAN RUPTURE IN THE PRESENCE OF EXCESSIVE HEAT. IN THE EVENT OF FIRE, HARMFUL VAPORS INCLUDING CARBONE MONOXIDE, CARBOND DIOXIDE, AND OTHERS MAY BE RELEASED.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

PERSONS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. ISOLATE DANGER AREA, KEEP UNAUTHORIZED PERSONNEL OUT. WATER MAY BE INEFFECIVE FOR EXTINGUISHMENT, UNLESS USED UNDER FAVORABLE CONDITIONS BY EXPERIENCED FIRE FIGHTERS. CARBON



2425 POLYASPARTIC



DIOXIDE CAN DISPLACE OXYGEN, EXERCISE CAUTION WHEN USING CO₂ IN CONFINED AREAS.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

EVACUATE AREA AND KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE SPILL AREA. USE PROPER PERSONAL PROTECTIVE EQUIPMENT LISTED IN SECTION 8.

ENVIRONMENTAL PRECAUTIONS:

KEEP RUNOFF FROM STORM SEWERS, DITCHES, STREAMS, LAKES AND OTHER GROUND WATERS AND WATERWAYS.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

CONTAIN ALL SPILLS. KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES AWAY FROM SPILL/RELEASE. USE EXPLOSION-PROOF NON-SPARKING EQUIPMENT. STAY UPWIND FROM AREA. STOP SOURCE OF RELEASE IF POSSIBLE WITH MINIMAL RISK. SPILLED MATERIAL MAY BE ABSORBED WITH AN APPROPRIATE SPILL KIT. COLLECT INTO SUITABLE CONTAINERS AND DISPOSE OF PROPERLY IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. (SEE SECTION 13).

SECTION 7 FIRE AND EXPLOSION HAZARD DATA

PRECAUTIONS FOR SAFE HANDLING:

EMPLOYEES WHO COME IN CONTACT WITH THIS MATERIAL MUST BE TRAINED IN ACCORDANCE TO 1910.1200 OF THE HAZARD COMMUNICATION STANDARD.

OPEN CONTAINER SLOWLY TO RELIEVE ANY PRESSURE. BOND AND GROUND ALL EQUIPMENT WHEN TRANSFERRING FROM ONE VESSEL TO ANOTHER. STATIC CHARGE CAN ACCUMULATE BY FLOW OR AGITATION. IGNITION CAN OCCUR BY STATIC DISCHARGE. THE USE OF EXPLOSION PROOF EQUIPMENT IS RECOMMENDED AND MAY BE REQUIRED. THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATIONS EXCEED ANY ESTABLISHED EXPOSURE LIMITS AND IN CONFINED SPACES. USE GOOD INDUSTRIAL AND PERSONAL HYGIENE PRACTICE, WASH THOROUGHLY AFTER HANDLING, AND DO NOT WEAR CONTAMINATED CLOTHING.

PRECAUTIONS FOR SAFE STORAGE:

KEEP CONTAINERS TIGHTLY CLOSED. USE AND STORE MATERIAL IN COOL, DRY, WELL-VENTILATED AREAS AWAY FROM HEAT, DIRECT SUNLIGHT, HOT METAL SURFACES, AND ALL SOURCES OF IGNITION. POST "NO SMOKING OR OPEN FLAME" SIGN. STORE ONLY IN APPROVED CONTAINERS. KEEP AWAY FROM INCOMPATIBLE MATERIALS (SEE SECTION 10). PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. INDOOR STORAGE SHOULD MEET OSHA STANDARDS AND APPROPRIATE FIRE CODES.

OTHER PRECAUTIONS:

"EMPTY" CONTAINERS RETAIN RESIDUE, LIQUID AND VAPOR, AND MAY BE DANGEROUS. DO NOT CUT, WELD, PRESSURIZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE SEVERE PERSONAL INJURY OR DEATH. ALL CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER IN ACCORDANCE WITH ALL GOVERNMENT REGULATIONS.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE ESTABLISHED EXPOSURE LIMITS, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED. WHERE EXPLOSIVE MIXTURES MAY BE PRESENT, ELECTRICAL SYSTEMS SAFE FOR SUCH LOCATIONS MUST BE USED.



2425 POLYASPARTIC



PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE. A NIOSH/MSHA APPROVED RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE SHOULD BE USED UNDER CONDITIONS WHERE AIRBORNE CONCENTRATIONS ARE EXPECTED TO EXCEED EXPOSURE LIMITS (SEE SECTION 3). USE A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IF THERE IS POTENTIAL FOR UNCONTROLLED RELEASE, EXPOSURE LEVELS ARE NOT KNOWN, OR ANY OTHER CIRCUMSTANCES WHERE AIR PURIFYING RESPIRATORS MAY NOT PROVIDE ADEQUATE PROTECTION.

PROTECTIVE GLOVES:

PREVENT PROLONGED OR REPEATED CONTACT BY WEARING GLOVES IMPERVIOUS TO SOLVENTS AND OTHER APPROPRIATE PROTECTIVE CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

EYE PROTECTION:

WEAR SAFETY GLASSES TO REDUCE EYE CONTACT POTENTIAL. CHEMICAL SAFETY GOGGLES (ANSI Z87.1 OR APPROVED EQUIVALENT) ARE APPROPRIATE IF SPLASHING IS LIKELY. EYE WASHES MUST BE AVAILABLE WHERE EYE CONTACT CAN OCCUR.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A SOURCE OF CLEAN WATER SHOULD BE AVAILABLE FOR FLUSHING EYES AND SKIN. SHOWERS SHOULD BE AVAILABLE IF LARGER SPILLS ARE POSSIBLE.

WORK/HYGIENIC PRACTICES:

EFFORTS SHOULD BE MADE TO MINIMIZE CONTACT AND SPILLS. ALWAYS WASH HANDS BEFORE EATING, DRINKING, OR SMOKING. CLEAN UP SPILLS PROMPTLY. FOLLOW OSHA AND COMPANY GUIDELINES.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	LIQUID	COLOR:	VARIOUS
ODOR:	HYDROCARBON	PH:	NOT DETERMINED
ODOR THRESHOLD:	NOT MEASURED	SOLUBILITY IN WATER:	INSOLUBLE/NEGLIGIBLE
MELTING/FREEZING POINT:	NOT DETERMINED	BOILING POINT/RANGE:	270-308°F
SPECIFIC GRAVITY (H2O=1):	1.03	VAPOR DENSITY:	GREATER THAN AIR
EVAPORATION RATE:	NOT DETERMINED	FLAMMABILITY:	NOT DETERMINED
FLASH POINT:	105°F TCC	VAPOR PRESSURE:	NOT DETERMINED
UPPER EXPLOSION LIMIT:	7	AUTO-IGNITION TEMP:	NOT DETERMINED
LOWER EXPLOSION LIMIT:	1	PARTITION COEFFICIENT:	NOT AVAILABLE
DECOMPOSITION TEMP:	NOT AVAILABLE	VISCOSITY:	NOT DETERMINED
COATING VOC:	309 G/L (2.58 LB/GAL)		

SECTION 10 STABILITY AND REACTIVE DATA

REACTIVITY: WILL NOT OCCUR.

CHEMICAL STABILITY:

STABLE UNDER NORMAL CONDITIONS AND HANDLING.



2425 POLYASPARTIC



POSSIBILITY OF HAZARDOUS REACTIONS:

NO HAZARDOUS REACTIONS IF STORED AND HANDLED AS PRESCRIBED/INDICATED.

CONDITIONS TO AVOID:

ALL POSSIBLE SOURCES OF IGNITION.

INCOMPATIBLE MATERIALS:

AVOID EXPOSURE TO STRONG OXIDIZING AGENTS AND REDUCING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

COMBUSTION MAY LIBERATE TOXIC BYPRODUCTS SUCH AS CARBON DIOXIDE, CARBON MONOXIDE, VARIOUS OXIDES OF CARBON AND NITROGEN.

SECTION 11 TOXICOLOGICAL INFORMATION

SENSITIZATION:

NONE KNOWN.

CARCINOGENICITY:

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY PRESENT A CARCINOGENIC HAZARD.

REPRODUCTIVE TOXICITY:

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY PRESENT REPRODUCTIVE TOXICITY.

TERATOGENICITY (BIRTH DEFECTS):

THERE IS NO DATA AVAILABLE TO INDICATE ANY COMPONENTS PRESENT AT GREATER THAN 0.1% MAY CAUSE BIRTH DEFECTS.

MUTAGENICITY:

THERE IS NO DATA TO INDICATE THAT ANY COMPONENT PRESENT AT GREATER THAN 0.1% WILL ALTER DNA.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY:

NO DATA AVAILABLE.

PERSISTENCE AND DEGRADABILITY:

NOT READILY DEGRADABLE.

BIOACCUMULATIVE POTENTIAL:

NO DATA AVAILABLE.

MOBILITY IN SOIL:

NO DATA AVAILABLE.

OTHER ADVERSE EFFECTS: ALTHOUGH NO INFORMATION IS AVAILABLE FOR THIS SPECIFIC PRODUCT MIXTURE, INDIVIDUAL

COMPONENTS MAY BY THEMSELVES MAY HAVE ECOLOGICAL AFFECTS. TRIMETHYLBENZENE IS A MARINE POLLUTANT UNDER 49 CFR 172.101.

SECTION 13 DISPOSAL CONSIDERATIONS

THIS PRODUCT IS CONSIDERED A RCRA HAZARDOUS WASTE DUE TO THE CHARACTERISTIC(S) OF D001 (IGNITABILITY). WASTE IS SUBJECT TO THE LAND DISPOSAL RESTRICTIONS IN 40 CFR 268.40 AND MAY REQUIRE TREATMENT STANDARDS. CONSULT STATE AND LOCAL REGULATIONS TO DETERMINE WHETHER THEY ARE MORE STRINGENT THAN THE FEDERAL REQUIREMENTS.

CONTAINER CONTENTS SHOULD BE COMPLETELY USED AND CONTAINERS EMPTY PRIOR TO DISCARDING. CONTAINER RINSATE COULD BE CONSIDERED A RCRA HAZARDOUS WASTE AND MUST BE DISCARDED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS. LARGER EMPTY CONTAINERS, SUCH AS DRUMS, SHOULD BE RETURNED TO A PROFESSIONAL DRUM RECONDITIONER. TO ASSURE PROPER DISPOSAL OF SMALLER EMPTY CONTAINERS, CONSULT WITH STATE AND LOCAL REGULATIONS AND DISPOSAL AUTHORITIES.

SECTION 14 TRANSPORT INFORMATION**PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)**

NOT REGULATED IN CONTAINERS 119 GALLONS (450 LITERS) OR LESS, COMBUSTIBLE LIQUID IN CONTAINERS GREATER THAN 119 GALLONS FOR GROUND TRAVEL.(FOR CONTAINERS GREATER THAN 119 GALLONS,VESSEL, INTERNATIONAL SHIPMENTS, OR AIR: UN1263, PAINT, 3, III)

SECTION 15 REGULATORY INFORMATION**US TOXIC SUBSTANCE CONTROL ACT (TSCA):**

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED, OR ARE EXCLUDED FROM LISTING, ON THE US TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: NONE

SARA 311/312 HAZARDOUS CHEMICAL: SEE SECTION 3

SARA 313 (TRI REPORTING):

THIS PRODUCT DOES CONTAIN A CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III, SECTION 313 (40CFR 372). SEE SECTION 3.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
TRIMETHYLBENZENE	95-63-6	MA,MN,NJ,PA
CUMENE	98-82-8	CA,CT,FL,IL,LA,MA,ME,MN,NJ,PA,RI

CALIFORNIA PROPOSITION 65

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR REPRODUCTIVE HARM, WHICH ARE SUBJECT TO THE REQUIREMENTS OF CALIFORNIA PROPOSITION 65.

CUMENE: 98-82-8 CANCER

SECTION 16 OTHER INFORMATION**REVISION DATE: 08/19/14):**

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