Date: 02/15/2019

SAFETY DATA SHEET

SDS PREPARATION DATE: 02/15/2019, Version 1

Section 1 - Identification

GHS product identifier	:	WHITE PRIMER (Component 1)
Chemical name	:	Mixture
Synonyms	:	Coatings
Product type	:	
Material use	:	Paint and Coatings
Supplier's details	:	Giani, Inc.
ADDRESS		2216 North Broadway St. Louis, MO 63102 Information (314) 241-7771
Emergency telephone number	:	CHEMTREC 800-424-9300 or 703-527-3887

Section 2 – Hazardous Identification

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

Physical hazards	Flammable liquids	Category 4
Health hazards	Serious eye damage	Category 1
	Skin sensitization	Category 1
	Acute toxicity (oral)	Category 4
	Carcinogenicity	Category 1A
Environmental hazards	Not Classified	

Label Elements



Signal Word
Warning

Hazard Statement:

H227	Combustible liquid
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H 350	May cause cancer

Precautionary Statements: Disposal

P501	Dispose of contents/container to an approved waste disposal plant.

Precautionary Statements: Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. – No smoking
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements: Response

P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P308+P3133	If exposed or concerned: Get medical advice/attention.

Precautionary Statements: Storage

P403	Store in a well-ventilated place.
P405	Store locked up.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered

Section 3 – Composition/information on ingredients

Component	Concentration	CAS number	GHS Symbols	GHS Statements
Water	17.53% - 21.53%	7732-18-5	N.A.	N.A
Vehicle	39.37% - 43.37%	non-hazardous proprietary	N.A.	N.A.
Tetramethyl-5-decyne -4,7-Diol, 2,4,7,9-,	00.02% – 00.42%	126-86-3	GHS05, GHS07	H302-315-317-318
Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	00.20% - 00.60%	9014-85-1	GHS05	H318
Titanium Dioxide	19.47% - 23.47%	1346-67-7	N.A.	N.A.
Talc	00.34% - 04.34%	14807-96-6	N.A.	N.A.
Polypropylene glycol	00.30% - 00.70%	25322-69-4	N.A.	N.A.
Polyethylene glycol	00.07% - 00.47%	25322-68-3	N.A.	N.A.
Propylene glycol	00.74% - 04.74%	57-55-6	N.A.	N.A.
Dipropylene glycol monomethyl ether	00.34% - 04.34%	34590-94-8	N.A.	N.A.
Calcium Carbonate	09.50% - 13.50%	1317-65-3	N.A.	N.A.
Bentonite	00.12% - 00.52%	1302-78-9	N.A.	N.A.

All concentrations are percent by weight
The identity of components and / or exact percentage composition may have been withheld as a trade secret.

Section 4 - First Aid Measures



Description of first aid measures

General advice:
Remove contaminated clothing
If inhaled:
Remove the affected individual into fresh air and keep the person calm. Seek medical attention.
If on skin:
Wash thoroughly with soap and water. If irritation develops, seek medical attention.
If in eyes:
Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If irritation develops, seek medical attention.
If swallowed:
Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.
Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and affects are described in the labeling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	CO2, dry powder, dry sand, foam.
Unsuitable Extinguishing Media	Water in a jet
Flash Point	75 °C / 167 °F
Autoignition Temperature	207 °C / 405 °F
Explosion Limits	Not determined
Upper	14.0 vol%
Lower	1.1 vol%

Sensitivity to Mechanical Impact None expected
Sensitivity to Static Discharge None expected

Specific Hazards Arising from the substance or mixture
Hazards during fire-fighting:
Harmful vapors
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective Equipment and Precautions for Firefighters
Firefighters should be equipped with self-containing breathing apparatus and turn-out gear.

Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

NFPA

Health	Flammability	Instability	Physical hazards
2	1	0	

Section 6 - Accidental Release Measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal Precautions Use personal protective clothing.

Environmental Precautions Do not discharge into drains/surface waters/ground water.

Methods for Containment and Clean up For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbent material in accordance with regulations.
For large amounts: Pump off product.

Section 7 - Handling and Storage




Handling
Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Keep from freezing.

Section 8 - Exposure Controls, Personal Protection

Ingredients Occupational exposure limits:

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Calcium Carbonate	N.D.	N.D	5 mg/m3 (respirable fraction)	N.D.
Ammonium Hydroxide	18 mg/m3	27 mg/m3	35 mg/m3	N.D.
Dipropylene glycol Monomethyl ether	100 ppm	150 ppm	600 mg/m3	N.D.
Titanium Dioxide	10 mg/m3	N.E.	15 mg/m3 (dust)	N.E.

Personal Protective Equipment



Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.



Skin Protection: Chemical resistant protective gloves.



Eye Protection: Wear safety glasses with side shields (or goggles).



Other Protective Equipment: Wear protective clothing as necessary to minimize contact..



Hygienic Practices: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all SDS/label precautions even after container is emptied because they may retain product residues. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

Section 9 - Physical and Chemical Properties

Physical State	Liquid
Appearance	White
Odor	odorless
Odor Threshold	No information available
pH	8.5 – 9.5
Melting Point/Range	No information available
Boiling Point/Range	100 °C / 212 °F
Flash Point (closed cup Setaflash)	75 °C / 167 °F
Evaporation Rate	Slower than ether
Flammability (solid,gas)	N.A.
Flammability or explosive limits	
Upper	14.0 vol%
Lower	1.1 vol%
Vapor Pressure mmHg @ 21°C	not determined
Vapor Density	Heavier than air
Relative Density	1.38
Formula Weight per Volume	11.46 Pound/Gallon
VOC g/l / lb./gallon	93.35 / 0.778
HAPS	0.00%
Percent Volatile by Weight	43.5%
Percent Volatile by Volume	59.7%
Solubility	soluble in water
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	405 °F / (207 °C)
Decomposition Temperature	*No information available*
Viscosity Krebs unit	68 – 72 ku

Section 10 - Stability and Reactivity

Reactive Hazard	No hazardous reactions if stored and handled as prescribed/indicated.
Oxidizing properties	Not an oxidizer.
Chemical Stability	Stable if stored and handled as prescribed/indicated.
Conditions to Avoid	See SDS section 7 – Handling and storage.
Incompatible Materials	Strong oxidizing agents, Acids, Bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides

Thermal decomposition Stable up to boiling point.

Hazardous Reactions No hazardous reactions when stored and handled according to instructions.

Section 11 - Toxicological Information

Effect of Overexposure - inhalation: No adverse effects due to inhalation are expected.

Effect of Overexposure - skin contact: causes skin irritation. allergic reactions are possible. prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Effect of Overexposure - eye contact: liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Effect of overexposure - ingestion: this material may be harmful or fatal if swallowed. irritating to mouth, throat and stomach.
Primary route(s) of entry: eye contact, ingestion, inhalation, skin absorption, skin contact

STOT - Single Exposure
Based on single exposure toxicity values, not classified.

STOT - Repeated Exposure Target Organs:
Based on repeated exposure toxicity values, not classified.

Carcinogenicity: The information below indicates whether each agency has listed any ingredient as a carcinogen if present at levels greater than or equal to 0.1 %.

CAS-No.	Name	NTP	OSHA	IARC
13463-67-7	Titanium Dioxide	Not labeled by NTP	Not labeled by OSHA	Group 2B

National Toxicological Program (NTP), Occupational Safety & Health Association (OSHA), International Agency for Research on Cancer (IARC) Group 1: Carcinogenic to Humans, Group 2A: Probably Carcinogenic to Humans, Group 2B: Possibly Carcinogenic to Humans, Group 3: Not Classifiable as to its Carcinogenicity to Humans

Acute Toxicity Values
The acute effects of this product have not been tested. Data on individual components are tabulated below:

CAS-No.	Name	Oral LD50 (mg/kg)	Dermal LD50 (mg/kg)	Vapor LC50 (mg/L)
57-55-6	Propylene Glycol	>5000 (rat)	>2000 (rabbit)	4 h > 20 (rat)
126-86-3	Tetramethyl-5-decyne -4,7-Diol, 2,4,7,9-,	>2,000 (rat)	> 2,000 (rat)	1 h >20 (rat)
9014-85-1	Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol	6,300 (rat)	> 2,000 (rabbit)	1 h >20 (rabbit)
1302-78-9	Bentonite	>2,000 (rat)	No data available	>= 5.27 (rat)
34590-94-8	dipropylene glycol monomethyl ether	>5,000 (rat)	9510 mg/kg (rabbit)	7 h 3.35 mg/l (rat)
13463-67-7	Titanium Dioxide	> 5000 (rat)	> 5000 (rabbit)	4 h > 6.8 (rat)

Section 12 - Ecological Information

Ecotoxicity
Do not flush into surface water or sanitary sewer system.

Ecotoxicity Toxic to aquatic life. Based on acute aquatic toxicity values, not classified.

Toxicity to fish (Acute toxicity)	Low acute toxicity to fish
Toxicity to daphnia and other aquatic invertebrates (Acute toxicity)	Low acute toxicity to aquatic invertebrates.
Toxicity to algae (Acute toxicity)	Low toxicity to algae.
Toxicity to fish (Chronic toxicity)	Data not available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	Low chronic toxicity to aquatic invertebrates. Data not available
Toxicity to bacteria (Acute toxicity)	Low toxicity to sewage microbes.

Persistence and Degradability Expected to be biodegradable
Bioaccumulation/ Accumulation Not expected to bioaccumualte
Mobility No information available

Section 13 - Disposal Considerations



Waste Disposal Methods

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national regulations. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste under RCRA.
Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 - Transport Information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT – Not Regulated
DOT Proper Shipping Name: Paint Related Material Non Hazardous
DOT Hazard Class: Not Regulated
DOT UN/NA Number: Not Regulated
This material is not regulated as a dangerous good and can be shipped as a NON HAZARDOUS

Section 15 - Regulatory Information

FEDERAL REGULATIONS:
This product is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200
CERCLA - SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None
SARA 302 Extremely Hazardous Material: No
SARA 304 CERCLA Product

Chemical Name	CAS Number	Pct by Wt.	RQ (lbs)

This product contains no known chemicals regulated under SARA 302/304.
SARA 311/312 Not Hazardous
Acute Health Hazard, Delayed Hazard
SARA (313) Components in concentrations above the de minimus levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements in section 313 of SARA.

Name	CAS-No.

This product contains no known chemicals regulated under SARA 313.
State Regulations
New Jersey right-to-know:

Propylene Glycol	57-55-6
Polypropylene glycol	25322-69-4
Talc	14807-96-6
Titanium Dioxide	13463-67-7

Pennsylvania right-to-know:

Propylene Glycol	57-55-6
Calcium Carbonate	1317-65-3
Polypropylene glycol	25322-69-4
Talc	14807-96-6
dipropylene glycol monomethyl ether	34590-94-8
Titanium Dioxide	13463-67-7

Massachusetts right-to-know:

Calcium Carbonate	1317-65-3
Talc	14807-96-6
Titanium Dioxide	13463-67-7

Minnesota right-to-know:

Calcium Carbonate	1317-65-3

California Proposition 65 Carcinogens
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS-No.	
Titanium Dioxide	13463-67-7	The listing is for titanium dioxide (airborne, unbound

particles of respirable size) and does not cover titanium dioxide when it remains within a product matrix.

California Proposition 65 Reproductive Toxins
Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.
No Proposition 65 Reproductive Toxins exist in this product.

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:
No TSCA 12(b) components exist in this product.

Country	Regulatory list	Notification
USA	TSCA	This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
EU	EINECS	This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).
Canada	DSL	This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).
Australia	AICS	This product, or its components, are listed on or are exempt from the Australian Chemical Substance List (AICS).
Japan	ENCS	This product, or its components, are not listed on or are exempt from the Japanese Chemical Substance List (ENCS)
South Korea	ECL	This product, or its components, are not listed on or are exempt from the Korean Chemical Substance List (ECL).
China	SEPA	This product, or its components, are listed on or are exempt from the Chinese Chemical Substance List (SEPA).
Philippines	PICCS	This product, or its components, are not listed on or are exempt from the Philippine Chemical Substance List (PICCS).

No other Regulatory Information!

Section 16 - Other Information

HMIS® Hazard Ratings: Health - 2, Flammability - 1, Physical Hazard – 0
HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

CONEG Heavy Metal: We confirm that we use packaging and/or packaging components in which the sum of the incidental concentration levels of lead, mercury, cadmium and hexavalent chromium do not exceed 100 parts per million by weight.

Prepared By Environmental, Health and Safety Department
Email: info@espinc.us

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replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.
NON-WARRANTY: Any recommendation of Giani, Inc. contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, Giani, Inc. makes no warranty or representation with respect thereto. Use or application of any Giani, Inc. product is at the discretion of the Buyer without liability or obligation whatsoever of Giani, Inc.

Safety Data Sheet
Ultra Epoxy Resin

SECTION 1: Identification

1.1 Product identifier
Ultra Epoxy Resin

1.2 Other means of identification
Resin

1.3 Recommended use of the chemical and restrictions on use
Paint and Coatings

1.4 Supplier's details

Name	Eagle Specialty Products
Address	1 Lincoln Way St. Louis, MO 63120 USA
Telephone	314-241-7771

1.5 Emergency phone number(s) CHEMTREC 800-424-9300 or 703-527-3887

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture
GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

2.2 GHS label elements, including precautionary statements

Health Hazards
Skin Irritation, Cat. 2.
Skin Sensitizer, Cat. 1.
Eye Irritation, Cat. 2.
Chronic Aquatic Toxicity, Cat. 2.
Acute Toxicity, Dermal, Cat. 5.
Acute Toxicity, Inhalation, Cat. 4.
Acute Toxicity, Oral, Cat. 4.

Pictogram



Signal word **Warning**

2.3 Hazard statement(s)

H302	Harmful if swallowed.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

2.4 Precautionary statement(s): Prevention

P101	If medical advice is needed, have a product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

2.5 Precautionary Statements: Response

P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
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.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

2.6 Precautionary Statements: Storage/Disposal

P501	Disposal of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Component	CAS	Concentration
Epoxy Resin	**Trade Secret**	**100%**

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of symptoms/effects, acute and delayed

If inhaled	Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.
In case of skin contact	Rinse/wash with lukewarm, gently flowing water and mild soap for 15-20 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention. If exposed or concerned: Get medical advice/attention.

In case of eye contact	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.
If swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Give 1 or 2 glasses of milk or water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

5.2 Specific hazards arising from the chemical

Excessive pressure or temperature may cause explosive rupture of containers.

5.3 Firefighting Instructions

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

5.4 Protective Equipment and Precautions for Firefighters

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear. Care should always be exercised in dust/mist areas

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated. Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

6.2 Environmental precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

6.3 Methods and materials for containment and cleaning up

Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. Individuals with existing respiratory disease such as chronic bronchitis, emphysema, or asthma should not be exposed

7.2 Conditions for safe storage, including any incompatibilities

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Not applicable.

8.2 Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors.

SECTION 9: Physical and chemical properties

This product is an untested mixture for which its chemical and physical properties are based on its individual components.

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, Clear
Odor	Slight Aromatic
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point/boiling range	Not applicable to liquids
Flash point	188°C
Auto-ignition temperature	No information available
Flammability (solid, gas)	Not applicable to liquids
Upper/lower flammability limits	No information available
Upper/lower explosive limits	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Vapor pressure	No information available
Relative density	No information available
Evaporation rate	Slower than ether.
Vapor density	Heavier than air.
Percent solids (weight)	No information available
Viscosity	No information available
Specific gravity	1.15
Density	9.58 lb/gal.
VOC	0.00 lb/gal

SECTION 10: Stability and reactivity

10.1 Chemical stability
Material is stable at standard temperature and pressure.

10.2 Conditions to avoid
Heat, high temperature, open flame, sparks, and moisture. Contact with incompatible materials in a closed system will cause buildup of pressure.

10.3 Incompatible materials
This product will react with materials such as amines, alkalis and acids. Avoid strong oxidizing agents. Some reactions can be violent.

10.4 Hazardous decomposition products
Combustion products: organic vapors and thermal decomposition fragments.

10.5 Hazardous polymerization products
Polymerization will not occur.

SECTION 11: Toxicological information

Toxicological information on this product or its components appear in this section when such data is available.

11.1 Information on toxicological effects
The toxicological information on this product appears in this section when such data is available.

Primary routes of entry
Skin contact, eye contact, and inhalation.

11.4 Skin corrosion/irritation
Repeated skin contact may cause a persistent irritation or dermatitis. May also aggravate an existing skin condition. Causes skin irritation.

11.5 Serious eye damage/irritation
Causes serious eye irritation.

11.6 Respiratory or skin sensitization
Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12-24 hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness. May cause an allergic skin reaction.

11.7 Ingestion irritation
Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion.

11.8 Germ cell mutagenicity
No information available.

11.9 Carcinogenicity
The product is not known to have any components of which may cause cancer.

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by the IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by the ACGIH.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by OSHA.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

11.10 Reproductive toxicity
No information available.

11.11 STOT-single exposure
No information available.

11.12 STOT-repeated exposure
No information available.

11.13 Aspiration hazard
No information available.

SECTION 12: Ecological information

Ecological information on this product or its components appear in this section when such data is available.

12.1 Toxicity to fish
Toxic to aquatic life with long lasting effects.

12.2 Toxicity to daphnia and other aquatic invertebrates
Toxic to aquatic life with long lasting effects.

12.3 Toxicity to algae/aquatic plants
Toxic to aquatic life with long lasting effects.

12.4 Persistence, degradability, bioaccumulation, accumulation mobility
No information available.

SECTION 13: Disposal considerations

Waste disposal methods
DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO THE BODY OF WATER. All disposal practices must be in accordance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed permitted incinerator or other thermal destruction device.

SECTION 14: Transport information

Domestic regulation

DOT (US)

UN/NA no.:	Not Regulated
UN Proper Shipping Name:	PAINT RELATED MATERIAL NON-HAZARDOUS
Class:	Not Regulated
Packing Group:	Not Regulated

International regulation

IATA-DGR

UN/NA no.:	Not Regulated
UN Proper Shipping Name:	PAINT RELATED MATERIAL NON-HAZARDOUS
Class:	Not Regulated
Packing Group:	Not Regulated

IMDG/IMO

UN/NA no.:	Not Regulated
UN Proper Shipping Name:	PAINT RELATED MATERIAL NON-HAZARDOUS
Class:	Not Regulated
Packing Group:	Not Regulated

SECTION 15: Regulatory information

15.1 Federal Regulations
This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

15.2 CERCLA – SARA Hazards
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Skin Irritation, Skin Sensitizer, Eye Irritation, Acute Toxicity - Dermal, Acute Toxicity - Inhalation, Acute Toxicity - Oral.

15.3 Toxic Substance and Control Act Inventory

The Toxic Substances and Control Act (TSCA) Chemical Substance Inventory contains all existing chemical substances manufactured, processed, or imported in the United States that do not qualify for an exemption or exclusion under the TSCA. The chemical substances present in the product that appear on the TSCA inventory include:

Epoxy Resin (Trade Secret) **Active**

15.9 Other Regulatory Inventories

Country	Regulatory List	Notification
Canada	DSL	This product, or its components, are listed or exempt from the “Canadian Domestic Substance List (DSL).”

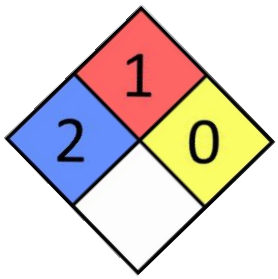
15.10 California Proposition 65

This product is not known to contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm. For more information go to www.P65Warnings.ca.gov.

HMIS Rating

Giani Ultra Epoxy Resin	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

Date of issue: October 17, 2023.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.

SAFETY DATA SHEET

www.CrownPolymers.com

80-9796-326
Oct 10, 2017

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID:	80-9796-326		
Product Name:	326-B-CrownClear, B-Side		
Revision Date:	Oct 10, 2017	**Date Printed:**	Oct 10, 2017
Version:	1.0	**Supersedes Date:**	N.A.
Manufacturer's Name:	Crown Polymers Corp.		
Address:	8550 W. Desert Inn Rd. Suite 102-125, Las Vegas, NV, US, 89117		
Emergency Phone:	Chemtrec:800-424-9300 (account: CCN1217) OR International:703-527-3887 (account:CCN1217)		
Information Phone Number:	(847) 659-0300		
Fax:	(847) 659-0310		

Product/Recommended Uses: For Further Information, Refer to the Product Technical Data Sheet.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute toxicity Dermal - Category 4

Acute toxicity Inhalation - Category 4

Acute toxicity Oral - Category 4

Chronic aquatic toxicity - Category 3

Serious Eye Damage - Category 1

Skin Corrosion - Category 1

Skin Sensitizer - Category 1

Pictograms



Signal Word

Danger

Hazardous Statements - Health

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H302 - Harmful if swallowed

H318 - Causes serious eye damage

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

Hazardous Statements - Environmental

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

Precautionary Statements - Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P271 - Use only outdoors or in a well-ventilated area.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P273 - Avoid release to the environment.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements - Response

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P312 - Call a POISON CENTER/doctor if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

P362 + P364 - Take off contaminated clothing. And wash it before reuse.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 - Rinse mouth.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363 - Wash contaminated clothing before reuse.

P333 + P313 - If skin irritation or a rash occurs: Get medical advice/attention.

Precautionary Statements - Storage

P405 - Store locked up.

Precautionary Statements - Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant.

Acute toxicity of 26.7% of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0000100-51-6	BENZYL ALCOHOL	35% - 65%
NOT APPLICABLE	TRADE SECRET	17% - 32%
0002855-13-2	ISOPHORONEDIAMINE	14% - 27%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

Skin Contact

Rinse/wash with lukewarm, gently flowing water and mild soap for 15-20 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

Eye Contact

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Give 3 or 4 glasses of water to drink. Never give anything by mouth to an unconscious person.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Unsuitable Extinguishing Media

If water is used, use very large quantities of cold water.

Specific Hazards in Case of Fire

Excessive pressure or temperature may cause explosive rupture of containers.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA)and full turnout gear.

Care should always be exercised in dust/mist areas.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Do not touch or walk through spilled material.
Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.
If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment

Appropriate dust or face mask to eliminate breathing foam dust particulates.

Personal Precautions

Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Individuals with existing respiratory disease such as chronic bronchitis, emphysema, or asthma should not be exposed.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area. Store liquid in containers above ground and surround by dikes to contain spills or leaks.

Do not cut, drill, grind, weld, or perform similar operations on or near containers.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

In poorly ventilated areas, a cartridge mask NIOSH approved for organic vapors is recommended under the following conditions: emergency situations, when product vapor concentration is greater than 20 ppm for a period longer than 15 min., during repair and cleaning of equipment, during transfer or discharge of the product.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

None of the chemicals in Section 3 are regulated under "OSHA_Tables_Z1_Z2_Z3", "OSHACarcinogen - OSHA Carcinogen", "OSHAtppm", "OSHAtmg", "OSHAsppm", "OSHAsmg", "ACGIHtppm", "ACGIHtmg", "ACGIHsppm", "ACGIHsmg", "nioshtppm", "nioshtmg", "nioshsppm", "nioshsmg", "NIOSH_carcinogen", "OSHA_SkinDesignation", "ACGIH_carcinogen", "ACGIH_TLV_Basis", "ACGIH_Notations"

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	8.60 lb/gal

Density	
Specific Gravity	1.03
VOC Regulatory	0.00 lb/gal

VOC Part A & B Combined	N.A.
Appearance	Liquid
Odor Threshold	N.A.
Odor Description	N.A.
pH	N.A.
Water Solubility	N.A.
Flammability	N/A
Flash Point Symbol	N.A.
Flash Point	131 °C
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	Heavier than air
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	247 °C
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Evaporation Rate	Slower than ether
Coefficient Water/Oil	N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

Material is stable at standard temperature and pressure.

Conditions to Avoid

Heat, high temperature, open flame, sparks, and moisture. Contact with incompatible materials in a closed system will cause buildup of pressure.

Hazardous Reactions/Polymerization

Will not occur.

Incompatible Materials

This product will react with epoxies, isocyanates, and strong oxidizing agents. Some reactions can be violent.

Hazardous Decomposition Products

Combustion products: organic vapors and thermal decomposition fragments.

SECTION 11) TOXICOLOGICAL INFORMATION

Serious Eye Damage/Irritation

Any contact should not be left untreated.

Causes serious eye damage

Aspiration Hazard

No data available

Respiratory/Skin Sensitization

Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12-24 hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness.

May cause an allergic skin reaction

Carcinogenicity

No data available

Germ Cell Mutagenicity

No data available

Reproductive Toxicity

No data available

Specific Target Organ Toxicity - Repeated Exposure

Repeated exposure generally aggravates the following medical conditions : Cardiovascular disease and Chronic respiratory disease.

No data available

Skin Corrosion/Irritation

Causes severe skin burns and eye damage

Acute Toxicity

If ingested : In humans, irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death.

Harmful in contact with skin

Harmful if inhaled

Harmful if swallowed

Specific Target Organ Toxicity - Single Exposure

No data available

0000100-51-6 BENZYL ALCOHOL

LC50(Inhalation, rat):>500 mg/m3; Toxic effects: Behavioral - somnolence (general depressed activity) Behavioral - ataxia Lungs, Thorax, or Respiration - respiratory depression; Reference: VCVGK* "Vrednie chemichescie veshestva, galogen I kislorod sodergashie organicheskie soedinenia". (Hazardous substances. Galogen and oxygen containing substances), Bandman A.L. et al., Chimia, 1994. Volume (issue)/page/year: -,132,1984

LD50(Dermal, rabbit): 2000 mg/kg; VCVGK* "Vrednie chemichescie veshestva, galogen I kislorod sodergashie organicheskie soedinenia". (Hazardous substances. Galogen and oxygen containing substances), Bandman A.L. et al., Chimia, 1994. Volume (issue)/page/year: -,132,1984

LD50(Oral, rat): 1230 mg/kg; Toxic effects: Behavioral - somnolence (general depressed activity) Behavioral - excitement Behavioral - coma

0002855-13-2 ISOPHORONEDIAMINE

LD50 (rat,oral): 1,030 mg/kg (based on raw material SDS)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life with long lasting effects

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA, it is the responsibility of the user of the product, to determine a the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Hazard Class: 8
Packing Group: III
Placard: Corrosive

IMDG Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Hazard Class: 8
Packing Group: III
Placard: Corrosive
Marine Pollutant: No data available

IATA Information

UN/NA #: 2735
UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE)
Hazard Class: 8
Packing Group: III
Placard: Corrosive

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000100-51-6	BENZYL ALCOHOL	35% - 65%	DSL,SARA312,VOC,TSCA
0002855-13-2	ISOPHORONEDIAMINE	14% - 27%	DSL,SARA312,VOC,TSCA

SECTION 16) OTHER INFORMATION

OTHER INFORMATION

Note: As per GHS, category 1 is the greatest level of hazard within each class.

GLOSSARY

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; CA Prop65- California Proposition 65; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing

Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Version 1.0:

Revision Date: Oct 10, 2017

Version 1.0

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