Section 1: Product and Company Identification

1.1 Product Identifier

Trade Name	CPP | mCrete R Compound (Part A)
Product Number	RC3-A
Product Description	Epoxy Formulation

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Protective Coating

1.3 Details of the Supplier of the Safety Data Sheet

Company	EPOXYTEC INTL, INC. 3000 N 29 CT HOLLYWOOD, FLORIDA 33020 Telephone (General): 954-961-4656

1.4 Emergency Telephone Number

3E Company Contract # 14738	N. America/S. America (+)1.760.476.3962 Europe (+)1.760.476.3962 Asia Pacific (+)1.760.476.3960 Middle East/Africa (+)1.760.476.3959

Section 2: Hazard(s) Identification

The product is classified and labeled according to the Globally Harmonized System (GHS) Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation (EC) No 1907/2006 (REACH).

2.1. Classification of the mixture

Component(s) Contributing to Classification(s)
Diglycidyl ether of Bisphenol A (Number average MW <= 700), Polymer, Fiber

Carcinogens: No carcinogens as a mixture. Any and all carcinogens reported here for pigments or fillers are related to airborne dust exposure only, they are not known to be hazardous after blended into a liquid. If product is machined, sanded or grinded, in an airborne dry form, these substances can cause severe lung diseases if you breathe their dusts, see Section 8 for recommended respiratory protection.

2.2. GHS Label elements, including precautionary statements

Pictogram(s)	
Signal Word	**Warning**
GHS Hazard Classification	Skin Irritation Category 2 Skin Sensitization Category 1 Eye Irritation Category 2A STOT SE 3 (Respiratory Irritation) Aquatic Chronic Category 2

Hazard Statements	H315 H317 H319 H335 H411	Causes skin irritation May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation Toxic to aquatic life with long lasting effects
Prevention Statements	P261 P264 P271 P272 P273 P280	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves, eye and face protection.
Response Statements	P302+352 P321 P305+P351+P338 P332 + P313 P337 + P313 P362+P364 P304+P340 P312 P391	IF ON SKIN: Wash with plenty of soap and water. Specific Treatment (See section 4 on this SDS) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Collect spillage
Storage/Disposal	P403+P233 P405 P501	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards
None Applicable

Section 3: Composition/Information on Ingredients

Chemical Characterization: Mixture
Description Mixture: Consisting of the following components

Materials	CAS #	EINECS #	Index #	Percentage	Classification
Diglycidyl ether of Bisphenol A (Number average MW <= 700)	25085-99-8	Not Listed	Not Listed	40-70	Skin Irrit. Cat 2 Skin Sens. Cat 1 Eye Irrit. Cat 2 Aquatic Chronic Cat 2
Silica (Amorphous)	7631-86-9	231-545-4	Not Listed	10-20	Not Classified
Polymer	Not Available	Not Available	Not Applicable	10-25	STOT SE 3
Fiber	Not Available	Not Available	Not Applicable	1-10	STOT SE 3

Additional Information:
See SECTION 16 for full Classification phrases.

Section 4: First Aid Measures

4.1 Description of first aid measures
General advice
Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. If product is machined, sanded or grinded, in an airborne dry form, these substances can cause severe lung diseases if you breathe their dusts, see Section 8 for recommended respiratory protection.
If inhaled,
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact
Remove clothing contaminated with epoxy resin system chemicals and immediately wash off any epoxies that get on your skin. Pay particular attention to your fingernails and the area around the nail.
In case of eye contact
Flush eyes with water at least 15 minutes. Consult a physician
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2)
4.3 Indication of immediate medical attention and special treatment needed
No specific antidote. Treatment of exposure should be directed at the control of symptoms and clinical condition of the patient.

Section 5: Firefighting Measures

5.1. Extinguishing media
Fire can be extinguished using: Foam. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.
5.2. Special hazards arising from the substance or mixture
Hazardous combustion products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors and inorganic fillers such as Silicon oxides.
5.3. Advice for firefighters
Special Fire Fighting Procedures:
Use water to keep fire exposed containers cool and disperse vapours.
Protective equipment for fire-fighters:
Wear self-contained breathing apparatus and full protective clothing in case of fire.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precautions
Do not let product enter drains, do not allow to sewers/surface or ground water. Prevent leakage or spillage.
6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (sand, earth, vermiculate, and universal binders)
Wear necessary protective equipment. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections
Wear protective clothing and niosh/msha approved self-contained breathing apparatus as described in Section 8 of this safety data sheet.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling
Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Use soap and water or a commercial hand cleaner. Don't use solvents to clean your hands; they remove the natural protective oils from your skin and leave your skin dry and irritated. After washing, use a skin conditioner or lotion to help keep the skin on your hands in good condition.
Handle with good mechanical ventilation and local exhaust. Avoid inhalation of vapor or mist. For precautions see section 2.2. Avoid use of electric band heaters. Failures of electric band heaters have been reported to cause drums of epoxy resin to catch fire.
7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place, away from heat, and strong oxidizers.
Recommended storage temperature 35-109 °F (2-43 °C).
Shelf life: Use within storage temperature, 24 months.
7.3 Specific end uses.
See section 1.2.

Section 8: Exposure Controls/Personal Protection

8.1 Control parameters
Additional Information for the Limit Values Due to the wetted form, the limit values for the dust form listed are not required. The limit values must be followed strictly if dust form occurs during any of the use. As a classified Carcinogen, there may be NO safe level of exposure; reduce all contact to the lowest possible level.

Other Engineering Measures or Controls Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Some of the substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA hazards communication standard.

Ingredient	CAS #	Agency	Limit type
Fiber	Not Available	ACGIH NIOSH	TLV, -TWA: 10 mg/m^3 TWA: 15 mg/m^3

8.2 Personal Protective Equipment

8.3 Exposure Controls

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. If cured product is machined, sanded or grinded, wear particulate respirators or other air-purifying respirators based on the specific airborne concentration found in the workplace.

Hand Protection

Wear chemical-resistant gloves such as: Nitrile, neoprene, and butyl. Gloves should conform to EN374

Eye Protection

Chemical goggles or safety glasses with side shields

Body Protection

If frequent or prolonged skin contact with epoxy resin systems is unavoidable, protective equipment such as gloves, goggles should be worn. Protective clothing should be made of a material that will protect you from the chemicals in the epoxy resin system you use.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. When using do not eat, drink or smoke.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties of Mixture

Appearance	
Form	Thixotropic liquid
Color	Warm White
Odor	Mild epoxy odor
Odor Threshold	Not applicable
pH	Not applicable
Melting point / freezing point	Not established
Boiling Point (deg. C)	Not established
Flash Point	Not established
Evaporation Rate	Not established
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not established
Vapour density	Not established
Relative density	1.1 g/cm^3 at at 70 °F (21 °C)
Solubility	Not established
Partition coefficient	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	Not established

Section 10: Stability and Reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability
Stable under recommended storage conditions. See Storage, Section 7.
10.3 Possibility of Hazardous Reactions
Polymerization will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.
10.4 Thermal Decomposition and Conditions to be avoided
Avoid short term exposures to temperatures above 300 °C (572 °F). Avoid prolonged exposure to temperatures above 250 °C (482 °F). Potentially violent decomposition can occur above 350 °C (662 °F). Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.
10.5 Incompatible materials
Avoid contact with oxidizing materials. Avoid contact with: acids, bases and oxidizing agents such as fluorine, chlorine. Avoid unintended contact with amines.
10.6 Hazardous Decomposition Products
Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Toxicological information on ingredients:

Name	Route	Species	Value
Diglycidyl ether of Bisphenol A	Dermal	Rabbit	LD50 - 23,000 mg/kg
	Ingestion	Rat	LD50 - 15,000 mg/kg
Fiber	Ingestion	Rat	LD50 - >5000 mg/kg
	Dermal	Rat	LD50 - >2000 mg/kg

11.1.2 Mixtures

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Irritation Category 2
Serious eye damage / irritation	Serious Eye Irritation Category 2A
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	STOT SE 3 (Respiratory Irritation)
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Other Information
Eye damage/eye irritation
May cause moderate eye irritation.
Skin corrosion/irritation
Brief contact may cause moderate skin irritation with local redness. Sensitization
Skin

Has caused allergic skin reactions in humans. Has demonstrated the potential for contact allergy in mice.
Respiratory
No relevant data found.
Repeated Dose Toxicity
Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.
Developmental Toxicity
Did not cause birth defects or other adverse effects on the fetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure, or when pregnant rats or rabbits were exposed orally.

Reproductive Toxicity
In animal studies, did not interfere with reproduction.
Genetic Toxicology
In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

Carcinogenicity Classification
Carcinogens: No carcinogens as a mixture. Any and all carcinogens reported here for pigments or fillers are related to airborne dust exposure, they are not known to be hazardous after blended into a liquid. If product is machined, sanded or grinded, in an airborne dry form, these substances can cause severe lung diseases if you breathe their dusts, see Section 8 for recommended respiratory protection.

DIGLYCIDYL ETHER OF BISPHENOL A
ACGIH : Not classified
IARC : Not classified
NTP : Not classified
OSHA : Not classified
EU : Not classified

12.1 TOXICITY:

Section 12: Ecological Information

OVERVIEW: No ecological information available on the specific mixture.
Ecological information of components

Name	Toxicity to fish	Toxicity to daphnia	Toxicity to algae
Diglycidyl ether of Bisphenol A	Rainbow trout LC50 (96 h): 2 mg/l	EC50 (48 h): 1.8 mg/l	ErC50 (72 h): 11 mg/l

Eco toxicological data have not been determined for this product. The information is given below is based on a knowledge of the components and ecotoxicology of similar components.
No levels of volatile organic compound emissions are expected at ambient temperatures and pressure; however, higher levels of VOC and low molecular weight hydrocarbons may be emitted at cure temperatures.

12.2 PERSISTENCE AND DEGRADABILITY:
Based on stringent OECD test guidelines, Diglycidyl ether of Bisphenol A cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.
12.3 BIOACCUMULATIVE POTENTIAL:
No specific data available on this product.
12.4 MOBILITY IN SOIL:
Potential for mobility in soil is low

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:
No specific data available on this product.
12.6 OTHER ADVERSE EFFECTS:
No specific data available on this product.
12.7 WATER ENDANGERMENT CLASS:
May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water, water course or sewage system. At present there are no ecotoxicological assessments for this product.

Section 13: Disposal Considerations

13.1 Waste Treatment Methods
Do not dump into any sewers, on the ground, or into any body of water. For disposal of residual product, mix by weight 5 parts Part A with 1 parts Part B. Allow mix to solidify in well ventilated area or outdoors. Regulations may vary in different locations. Dispose of in accordance with all applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care. Dispose of in accordance with all applicable local, state and national regulations.

Section 14: Transport Information

DOT
Not regulated for transport

IMDG
Basic Shipping Requirements:
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name: Diglycidyl ether of Bisphenol A
Hazard Class: 9
ID Number: UN3082
Packing Group: PG III

IMO
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Marine pollutant: Yes
Product Name: Diglycidyl ether of Bisphenol A
Hazard Class: 9
ID Number: UN3082
Packing Group: PG III

ICAO/IATA
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Technical Name: Diglycidyl ether of Bisphenol A
Hazard Class: 9
ID Number: UN3082
Packing Group: PG III
Cargo Packing Instruction: 964

Passenger Packing Instruction: 964

Section 15: Regulatory Information

OSHA Hazard Communication Standard
Epoxy is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

Superfund Amendments and Reauthorization Act (SARA) of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 (Hazardous Chemical Storage Reporting Requirements)
Acute Health Hazard

Diglycidyl ether of Bisphenol A
Immediate (Acute) Health Hazard: Yes, A
Delayed (Chronic) Health Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

Silica (Amorphous)
Immediate (Acute) Health Hazard: Yes, A
Delayed (Chronic) Health Hazard: Yes, C

Superfund Amendments and Reauthorization Act (SARA) of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313 (Toxic Chemical Release Inventory)

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
Fiber

New Jersey Right To Know Components
Fiber

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):
Chemicals known to cause cancer: 14808-60-7/Quartz (SiO_2)
Chemicals known to cause reproductive toxicity: None of the ingredients is listed.

(DSL) Canada Domestic Substance List:
All components of this product are on the DSL (Canada Domestic Substance List) or are exempt from DSL requirements.

CANADIAN DSL/NDSL INVENTORY STATUS: Components are DSL Listed, NDSL Listed and/or are exempt from listing
OTHER CANADIAN REGULATIONS: Not applicable.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product has been classified per WHMIS 2015.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:
This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.
See Section 2 for Details
CHEMICAL SAFETY ASSESSMENT :
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

AUSTRALIAN INFORMATION FOR PRODUCT:
This product does meet the definition of a hazardous substance or preparation as defined by the Safe Work Australia Act. Components of this product are listed on the International Chemical Inventory list
Contains epoxy constituents and inorganic fillers. See information supplied by the manufacturer.

Section 16: Other Information

Contains epoxy constituents and inorganic fillers. See information supplied by the manufacturer.

HMIS Rating (Scale 0-4)
Health hazard: 2
Flammability: 1
Reactivity Hazard: 1

NFPA Rating (Scale 0-4)
Health hazard: 2
Flammability Hazard: 1
Reactivity Hazard: 1

Abbreviations and acronyms

A	*Acute Health Hazard*
A2	*Suspected human carcinogen.*
ACGIH	*Industrial Hygienists Suggest Exposure Limits*
C	*Chronic Health Hazard*
EPA	*Environmental Protection Agency*
F	*Fire Hazard*
DOT	*Federal Department of Transportation*
DSL	*Domestic Substance List*
HMIS	*Hazardous Material Identification System*
IARC	*International Agency for Research on Cancer*
IATA	*The International Air Transport Association*
ICAO	*International Civil Aviation Organization*
IMDG	*International Maritime Dangerous Goods*
IMO	*International Maritime Organization*
LD50/LC0	*Lethal Concentration/Dose, 50 percent*
NFPA	*National Fire Protection Association*
NIOSH	*National Institute for Occupational Safety and Health*
NTP	*National Toxicology Program*
OSHA	*Occupational Safety and Health*
PELs	*Permissible Exposure Limits*
R	*Reactive Hazard*

S	*Sudden Release of Pressure Hazard*
SARA	*Superfund Amendments and Reauthorization Act*
TLV	*Threshold Limit Value,*
TWA	*Time-Weighted Average*
Skin Irrit.	*Skin Irritation*
Skin Sens.	*Skin Sensitization*
Eye Irrit.	*Eye Irritation*
STOT SE	*Single Target Organ Toxicity – Single Exposure*

Special Precautions: *Silica fillers in a dry form can cause severe lung diseases if you breathe their dusts. Do not sand or grind hardened epoxies that contain these substances. They are not known to be hazardous after blended into a liquid. Wet sanding is suggested to eliminate airborne dust, if product is machined or ground. The only other exposure limits established for ingredients of this product apply to nuisance dusts from inert fillers. These fillers are blended into a liquid and pose no hazard as supplied. Substances listed are present in concentration of 1% or greater, cited as a potential Carcinogen in the OSHA hazards communication standard.*

Explanation and Disclaimer: *Each customer or recipient has to become aware of and understand the data given in this SDS and any hazards associated with the product. The information is provided in good faith and believed to be accurate; however, does not appear all inclusive and shall be used only as a guide. Regulatory requirements are subject to change and may differ between various locations, it is buyer's responsibility to ensure that comply with all state, federal or local laws. The information in this document is based on the present state of our knowledge applicable to the product with regard to safety precautions. The information presented in here relates only to the product as shipped, and it is the buyer's responsibility to determine the conditions necessary for the safe use of this product. If you have received this SDS from any source other than Epoxytec or its authorized agent, the information contained in it may have been modified from the original document and it may not be the most current revision.*

Epoxytec products are designed for Industrial use only.

Revision History:

June 19 2015	- Document creation.
July 03 2016	- Template updated to include EU and Australia compliance requirements.
April 17, 2016	- Material form recreation

END OF SDS

Section 1: Product and Company Identification

1.1 Product Identifier

Trade Name	CPP Part B
Product Number	Not Available
Product Description	Epoxy Formulation

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Protective Coating

1.3 Details of the Supplier of the Safety Data Sheet

Company	EPOXYTEC INTL, INC. DBA MCOR 3000 N 29 CT HOLLYWOOD, FLORIDA 33020 Telephone (General): 954-961-4656

1.4 Emergency Telephone Number

3E Company Contract # 14738	N. America/S. America (+)1.760.476.3962 Europe (+)1.760.476.3962 Asia Pacific (+)1.760.476.3960 Middle East/Africa (+)1.760.476.3959

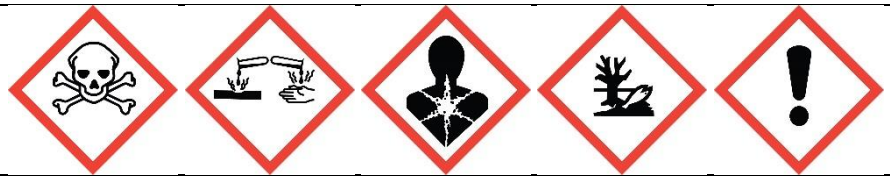
Section 2: Hazard(s) Identification

The product is classified and labeled according to the Globally Harmonized System (GHS) Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation (EC) No 1907/2006 (REACH).

2.1. Classification of the mixture

Component(s) Contributing to Classification(s)
All components listed in Section 3

2.2. GHS Label elements, including precautionary statements

Pictogram(s)	
Signal Word	**Danger**
GHS Hazard Classification	Acute Toxicity Category 4 (Oral, Dermal) Acute Toxicity Category 3 (Inhalation) Skin Corrosion Category 1 Eye Damage Category 1 Skin Sensitization Category 1 Reproductive Toxicity Category 2 Aquatic Acute Category 2 Aquatic Chronic Category 2

Hazard Statements	H302 H312 H331 H314 H317 H361 H401 H411	Harmful if swallowed Harmful in contact with skin Toxic if inhaled Causes severe skin burns and eye damage May cause an allergic skin reaction Suspected of damaging fertility or the unborn child Toxic to aquatic life Toxic to aquatic life with long lasting effects
Prevention Statements	P201 P202 P260 P264 P270 P271 P272 P280 P273	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye and face protection. Avoid release to the environment.
Response Statements	P301+P330+P331 P308+P313 P304+P340+P312 P311 P303+P361+P353 P305+P351+P338 P333+P313 P310 P363 P321 P314 P391	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/ attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse. Specific treatment (see section 4 of this SDS) Get medical advice/attention if you feel unwell. Collect spillage.
Storage/Disposal	P403+P233 P405 P501	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

2.3 Other Hazards
None applicable

Section 3: Composition/Information on Ingredients

Chemical Characterization: Mixture
Description Mixture: Consisting of the following components

Materials	CAS #	EINECS #	Index #	Percentage	Classification
Fatty acids, C18 unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1	614-452-7	Not Listed	30-60	Skin Irrit. Cat 2 Skin Sens Cat 1 Eye Dam. Cat 1 Aquatic Chronic 2
2,4,6-tri(dimethylaminomethyl)phenol	90-72-2	202-013-9	603-069-00-0	5-10	Acute Tox Cat 4(Oral, Dermal) Skin Irrit Cat 2 Eye Dam Cat 1

Diethylenetriamine	111-40-0	203-865-4	612-058-00-X	1-5	Acute Tox. Cat 4 (Oral, Dermal) Acute Tox. Cat 2 (Inhalation) Skin Corr. Cat. 1B Skin Sens Cat 1 STOT SE Cat 3 (Resp Irrit)
4,4'-Isopropylidenediphenol	80-05-7	201-245-8	604-030-00-0	1-5	Acute Tox Cat 5 (Oral) Skin Irrit Cat 3 Eye Damage Cat 1 Skin Sens Cat 1 STOT SE Cat 3 (Resp Irrit) Repr. Cat 2 Aquatic Acute Cat 2 Aquatic Chronic Cat 2
Triethylenetetramine	112-24-3	203-950-6	612-059-00-5	.1-1	Acute Tox. Cat 4 (Oral, Dermal) Skin Corr. Cat. 1B Skin Sens Cat 1 STOT SE Cat 3 Aquatic Acute Cat 3 Aquatic Chronic Cat 3

Additional Information:
See SECTION 16 for full Classification phrases.
* Actual concentration of ingredients is Company Trade Secret - Business Confidential. The manufacturer is withholding the specific chemical identity under provision of WHMIS 2015 and the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical concentration will be made available to health professionals.

Section 4: First Aid Measures

4.1 Description of first aid measures

General advice
Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled,
If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 the person providing aid to give mouth-to-mouth resuscitation. Get medical attention.

In case of skin contact,
Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Consult a physician.

In case of eye contact,
Immediately flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.

If swallowed,
Wash out mouth with water. Remove dentures if any. Never give anything by mouth to an unconscious person. Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical advice.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in toxicological effects on section 11

4.3 Indication of immediate medical attention and special treatment needed
No specific antidote. Treatment of exposure should be directed at the control of symptoms and clinical condition of the patient.

Section 5: Firefighting Measures

5.1. Extinguishing media
Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2. Specific hazards arising from the chemical
In a fire or if heated, a pressure increase will occur and the container may burst.

5.3. Special hazards arising from the substance or mixture
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolics, Carbon monoxide, Carbon dioxide, Silicon dioxide.

5.4. Special firefighting Procedure
Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots, and gloves. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse.
Wear self-contained breathing apparatus and full protective clothing in case of fire.

Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
No action shall be taken involving any personal risk or without suitable training. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Use appropriate respirator when ventilation is inadequate and use personal protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

6.2. Environmental precautions
Do not let product enter drains, do not allow to sewers/surface or ground water. See Section 12, Ecological information.

6.3. Methods and material for containment and cleaning up
Wear necessary protective equipment. Vacuum or sweep up material and place in designated labeled waste container. Dispose of via a licensed waste disposal contractor. Wash thoroughly with soap and hot water after dealing with a spillage. For waste disposal, see section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling
Put on appropriate personal protective equipment (see section 8 of SDS). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Use soap and water or a commercial hand cleaner. Person with a history of skin sensitization problems should not be employed in any process in which this product is used.
Handle with good mechanical ventilation and local exhaust. Avoid inhalation of vapor or mist. For precautions see section 2.2. Avoid use of electric band heaters. Failures of electric band heaters have been reported to cause drums of epoxy resin to catch fire.

7.2 Conditions for safe storage, including any incompatibilities
Store in original container protected from direct sunlight, keep container tightly closed in a dry and well-ventilated place, away from heat, and strong oxidizers. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end uses.
See section 1.2.

Section 8: Exposure Controls/Personal Protection

8.1. Control parameters

If user operations generate dust, fumes, gas, vapor, or mist use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The limit values must be followed strictly if dust form occurs during any of the use.

Ingredient	CAS #	Agency	Limit type
Fatty acids, C18 unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1	No Data	No Data
Triethylenetetramine	112-24-3	WEEL	TWA: 1 ppm (skin)
Diethylenetriamine	111-40-0	ACGIH NIOSH	1 ppm 4 mg/m^3
4,4'-Isopropylidenediphenol	80-05-7	No Data	No Data
2,4,6-tri(dimethylaminomethyl)phenol	90-72-2	No Data	No Data

8.2. Personal Protective Equipment

8.3. Exposure controls
Respiratory Protection
In case of inadequate ventilation wear respiratory protection. If product is machined, sanded or grinded, wear particulate respirators or other air-purifying respirators based on the specific airborne concentration found in the workplace.
Hand Protection
Wear chemical-resistant gloves such as: Nitrile, butyl rubber, neoprene, and polyvinyl chloride. Gloves should conform to EN374
Eye Protection
Safety eyewear complying with an approved standard should be used: chemical goggles or safety glasses with side shields.
Body Protection
Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures
Wash hands at the end of each work shift and before eating, smoking and using the lavatory. Wash promptly if skin becomes wet or contaminated. When using do not eat, drink or smoke. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to workstation location.
Control of environmental exposure
Prevent spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties of Mixture

Appearance	
Form	Liquid
Color	Clear to grey
Odor	Mild epoxy odor
Odor Threshold	Not applicable
pH	Not applicable
Boiling Point (deg. C)	Not Available
Flash Point	>93°C (>200°F)
Evaporation Rate	Slower than Ether
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Not Available
Vapour pressure	Not Available
Vapour density	Heavier than air
Relative density	Not established
Solubility	Not established
Partition coefficient	Not established
Auto-ignition temperature	Not established
Decomposition temperature	Not established
Viscosity	Not established
Weight per Gallon	8.62 +/- .1
Percent Volatile	Not Available

Section 10: Stability and Reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability
Stable under recommended storage conditions. See Storage, Section 7.
10.3 Possibility of Hazardous Reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Thermal Decomposition and Conditions to be avoided
Heat, flames and sparks. Ignition sources.
10.5 Incompatible materials
Avoid contact with oxidizing materials.
10.6 Hazardous Decomposition Products
Nature of decomposition products unknown.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Epoxy Resin together with inorganic fillers. Toxicological data has not been determined for this product. The information is given below is based on main component of this product.

Toxicological information on ingredients:

Name	Route	Species	Value
Diethylenetriamine	Oral	Rat	LD50 – 1,080 mg/kg
	Dermal	Rabbit	LD50 – 1,090 mg/kg
	Inhalation	Rat	LC50 – 0.3 mg/l -4h
4,4'-Isopropylidenediphenol	Oral	Rat	LD50 – 2,000 – 5,000 mg/kg
	Dermal	Rabbit	LD50 – 6,400 mg/kg
	Inhalation	Rat	LC50 – 170 mg/m3 – 6h
2,4,6-tri(dimethylaminomethyl)phenol	Oral	Rat	LD50 – 2,169 mg/kg
Fatty acids, C18 unsatd., dimers, reaction products with polyethylenepolyamines	Ingestion	Rat	LD50 - > 8000 mg/kg

11.1.2 Mixtures

Acute toxicity	Acute Toxicity Category 4 (Oral, Dermal) Acute Toxicity Category 3 (Inhalation)
Skin corrosion / irritation	Skin Corrosion Category 1
Serious eye damage / irritation	Eye Damage Category 1
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Reproductive Toxicity Category 2
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Other Information
Eye damage/eye irritation **:** May cause damage to the eyes.

Skin corrosion/irritation **:** May cause skin burns. May cause an allergic skin reaction.

Inhalation **:** May be toxic if inhaled.

Ingestion **:** Irritating to mouth, throat and stomach.

Carcinogenicity Classification
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
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.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Bisphenol-A is suspected of damaging fertility or the unborn child. High doses of BPA given orally and by injection to laboratory animals have produced slight effects on certain reproductive endpoints, such as enlargement of the uterus; the effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. There is no evidence of reproductive toxicity in humans.

Section 12: Ecological Information

12.1 TOXICITY:
No ecological information available on the specific mixture. The following is information for components.

Name	Toxicity to fish	Toxicity to daphnia	Toxicity to algae
Fatty acids, C18 unsatd., dimers, reaction products with polyethylenepolyamines	Golden Orfe LC50 – 2.3 mg/l	Daphnia Magna EC50 – 31.1 mg/l	Scenedesmus subspicatus EC50 – 2.5 mg/l
4,4'-Isopropylidenediphenol	Fathead minnow LC50 (96 h): 4.6 mg/l	Water Flea EC50 (48 h) 1 - 16 mg/l	EC50 (96 h): 2.73 mg/l

12.2 PERSISTENCE AND DEGRADABILITY:
No data is available for product.
12.3 BIOACCUMULATIVE POTENTIAL:
No specific data available on this product.
12.4 MOBILITY IN SOIL:
No data is available for product.
12.5 RESULTS OF PBT AND vPvB ASSESSMENT:
No specific data available on this product.
12.6 OTHER ADVERSE EFFECTS:
No specific data available on this product.

12.7 WATER ENDANGERMENT CLASS:
May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water, water course or sewage system. At present there are no ecotoxicological assessments for this product

Section 13: Disposal Considerations

13.1 Waste Treatment Methods
The generation of waste should be avoided or minimized. Do not dump into any sewers, on the ground, or into any body of water. For disposal of residual product, mix by weight 1 parts Part A with 1 parts Part B. Allow mix to solidify in well ventilated area or outdoors. Regulations may vary in different locations. Dispose of this product, and/or any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues.

Section 14: Transport Information

Road Transport: DOT / ADR
Proper Shipping Name : Amines, liquid, corrosive, n.o.s. (Isophoronediamine, Polyamines, Diethylenetriamine)
Hazard Class : 8
UN/ID Number : UN2735
Packing Group : III
Marine Pollutant : Yes

Air Transport: IATA/ICAO
Proper Shipping Name : Amines, liquid, corrosive, n.o.s. (Isophoronediamine, Polyamines, Diethylenetriamine)
Hazard Class : 8
UN/ID Number : UN2735
Packing Group : III
Marine Pollutant : Yes

Sea Transport: IMDG
Proper Shipping Name : Amines, liquid, corrosive, n.o.s. (Isophoronediamine, Polyamines, Diethylenetriamine)
Hazard Class : 8
UN/ID Number : UN2735
Packing Group : III
Marine Pollutant : Yes

Section 15: Regulatory Information

OSHA Hazard Communication Standard
Epoxy is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200**.**

Section 16: Other Information

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Superfund Amendments and Reauthorization Act (SARA) of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312 (Hazardous Chemical Storage Reporting Requirements)
Acute Health Hazard
Superfund Amendments and Reauthorization Act (SARA) of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313 (Toxic Chemical Release Inventory)
This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

Diethylenetriamine	CAS # 111-40-0
4,4'-Isopropylidenediphenol	CAS # 80-05-7

Pennsylvania Right To Know Components

Diethylenetriamine	CAS # 111-40-0
2,4,6-tri(dimethylaminomethyl)phenol	CAS # 90-72-2
4,4'-Isopropylidenediphenol	CAS # 80-05-7

New Jersey Right To Know Components

Diethylenetriamine	CAS # 111-40-0
2,4,6-tri(dimethylaminomethyl)phenol	CAS # 90-72-2
4,4'-Isopropylidenediphenol	CAS # 80-05-7

California Prop. 65 Components (Safe Drinking Water and Toxic Enforcement Act of 1986)
⚠WARNING! This product can expose you to chemicals such as Bisphenol A which is known to the State of California to be a reproductive hazard. For more information, go to WWW.P65Warning.ca.gov.

CANADIAN REGULATIONS:
CANADIAN DSL/NDSL INVENTORY STATUS: Components are DSL Listed, NDSL Listed and/or are exempt from listing
OTHER CANADIAN REGULATIONS: Not applicable.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.
CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product has been classified per WHMIS 2015.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:
This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.
See Section 2 for Details.

CHEMICAL SAFETY ASSESSMENT :
No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

AUSTRALIAN INFORMATION FOR PRODUCT:
This product does meet the definition of a hazardous substance or preparation as defined by the Safe Work Australia Act. Components of this product are listed on the International Chemical Inventory list
HMIS Rating (Scale 0-4)

Health hazard: 3
Flammability: 1
Physical Hazard: 0

NFPA Rating (Scale 0-4)
Health hazard: 3
Flammability Hazard: 1
Reactivity Hazard: 0

Caution: HMIS ratings are based on a 0-4 rating scale
0= Minimal Hazard
1= Slight
2= Moderate
3= High
4= Extreme

Abbreviations and acronyms

ACGIH	*American Conference of Governmental Industrial Hygienists*
AIHA	*American International Health Alliance*
CFR	*Code of Federal Regulations*
DOT	*Federal Department of Transportation*
DSL	*Domestic Substance List*
EC50	*Half maximal effective concentration*
GHS	*The Globally Harmonized System of Classification and Labelling of Chemicals*
HMIS	*Hazardous Material Identification System*
HCS	*Hazard Communication Standard*
IARC	*International Agency for Research on Cancer*
IATA	*The International Air Transport Association*
IMDG	*International Maritime Dangerous Goods*
IMO	*International Maritime Organization*
LD50/LC50	*Lethal Concentration/Dose, 50 percent*
NFPA	*National Fire Protection Association*
NIOSH	*National Institute for Occupational Safety and Health*
NTP	*National Toxicology Program*
OEL	*Occupational Exposure Limit*
OSHA	*Occupational Safety and Health*
REL	*Recommended Exposure Limit*
SARA	*Superfund Amendments and Reauthorization Act*
TLV	*ACGIH Threshold Limit Value*
TWA	*Time-Weighted Average*
WEEL	*Workplace Environmental Exposure Levels*
Skin Corr.	*Skin Corrosion*
Skin Sens.	*Skin Sensitization*
Eye Irrit.	*Eye Irritation*
Acute Tox	*Acute Toxicity*
Repr	*Reproductive Toxicity*
STOT SE	*Single Target Organ Toxicity - Single Exposure*

Explanation and Disclaimer: *Each customer or recipient has to become aware of and understand the data given in this SDS and any hazards associated with the product. The information is provided in good faith and believed to be accurate; however, does not appear all inclusive and shall be used only as a guide. Regulatory requirements are subject to change and may differ between various locations, it is buyer's responsibility to ensure that comply with all state, federal or local laws. The information in this document is based on the pre-*

sent state of our knowledge applicable to the product with regard to safety precautions. The information presented in here relates only to the product as shipped, and it is the buyer's responsibility to determine the conditions necessary for the safe use of this product. If you have received this SDS from any source other than Epoxytec/MCOR or its authorized agent, the information contained in it may have been modified from the original document.

MCOR products are designed for industrial use only.

Revision History:

November 19, 2015	- Document creation.
July 03, 2016	- Template updated to include EU and Australia compliance requirements.
April 17, 2018	- Document recreation.

END OF SDS