

## Safety Data Sheet

Revision Date 02.25.2019

Revision: 1

### 1 Identification of the substance/mixture and the company/undertaking

#### 1.1 Product identifier

Trade name: Deep Set Epoxy Hardener

#### 1.2 Application of the substance / the mixture: Epoxy hardener

#### 1.3 Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:



#### Composite Envisions

8450 Development Court

Wausau, WI 54401

Phone: (715) 842-0101

#### 1.4 Emergency telephone number:

ChemTel Inc.

(800) 255-3924, +1 (813) 248-0585

### 2 Hazards identification

#### 2.1 GHS Classification of the substance or mixture

Acute toxicity, Oral (Category 4)

Acute toxicity, Dermal (Category 4)

Serious eye damage (Category 1)

Aquatic Hazard (Acute) – Category 2

Aquatic Hazard (Long-Term) – Category 2

#### 2.2 GHS Label elements

##### Hazard pictograms/symbols



Signal word: Danger

##### Hazard statements:

H302 + H312: Harmful if swallowed or in contact with skin  
H318: Causes serious eye damage.

H411: Toxic to aquatic life with long lasting effects.

##### Precautionary statements:

P264: Wash hands thoroughly after handling.

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

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

P273: Avoid release to the environment.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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 CENTRE or doctor/physician.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P363: Wash contaminated clothing before reuse.

**Additional information:** None known.

## HMIS Rating:

Health: 2  
Flammability: 1  
Physical Hazard: 0

## 3 Composition/information on ingredients

### 3.2 Mixture

**Description:** Mixture of substances listed below with potential nonhazardous additions.

Dangerous components:		
Trade Secret	Polyetheramine	>80%

In conformity with 29CFR 1910.1200(i) the specific chemical identity may be withheld as Trade Secret, while all health/safety properties and effects are included in the SDS.

## 4 First aid measures

### 4.1 Description of first aid measures

**General information:** Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately.

**After eye contact:** Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, consult a doctor. **After ingestion:** Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side. Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed:** Repeated and/or prolonged exposures to low concentrations of vapors or aerosols may cause: sore throat, asthma, eye disease, kidney disorders, liver disorders, skin disorders and allergies.

**4.3 Indication of any immediate medical attention and special treatment needed:** NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

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## 5 Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Foam. Fire-extinguishing powder. Carbon dioxide.

**5.2 Specific hazards arising from the substance or mixture:** May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

### 5.3 Advice for the firefighters

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

**Additional information:** Cool endangered receptacles with water fog or haze. Eliminate all ignition sources if safe to do so.

## 6 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources.

**6.2 Environmental precautions:** Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system. Prevent from spreading (e.g. by damming-in or oil barriers).

**6.3 Methods and material for containment and cleaning up:** Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

## 7 Handling and storage

**7.1 Precautions for safe handling:** Use only in well-ventilated areas. Store in cool, dry place in tightly closed receptacles (60-80°F recommended).

**7.2 Conditions for safe storage, including any incompatibilities:** Use only receptacles specifically permitted for this substance/product. Avoid storage near extreme heat, ignition sources or open flame.

**Further Information about storage conditions:** Keep container tightly sealed. Store in an area with adequate ventilation.

## 8 Exposure controls/personal protection

### 8.1 Control parameters: Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**8.2 Engineering controls** Provide readily accessible eye wash stations and safety showers. Provide ventilation adequate to ensure concentrations are minimized.

### 8.3 Personal protective equipment

**General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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**Respiratory protection:** Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable. Use respiratory protection when grinding or cutting material.

**Hand protection:** Protective, impervious gloves. (Neoprene, Butyl-rubber, Nitrile rubber) The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

## 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General Information

#### Appearance

Form:

Colour:

Odour:

Odour threshold:

pH :

Melting point/ range:

Liquid

Clear

Amine

Boiling point/range:

No data available

Flash point:

Alkaline

No data available

Evaporation rate:

Not available

$\geq 200^{\circ}\text{C}$  ( $>392^{\circ}\text{F}$ )

Flammability (solid, gaseous):

No data available

Not applicable

Not applicable

Upper/lower flammability or explosive limit:

No data available

Vapor pressure :

No data available

Vapor density:

0.98 g/cm<sup>3</sup>

Soluble

Relative Density at 20°C:

No data available

Solubility in / Miscibility with

No data available

Water:

No data available

80 - 200 cps

Partition coefficient (n -

octanol/water): Auto/Self -

ignition temperature:

Decomposition temperature:

Viscosity

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## 10 Stability and reactivity

**Eye protection:** Face shield with safety glasses or goggles underneath. Contact lenses should not be worn. **Skin and Body protection:** Protective work clothing. Where potential exposure warrants, rubber or plastic boots and chemically resistant protective suit.

### 10.1 Reactivity

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions:** Reacts with strong alkali. Exothermic polymerization. Reacts with strong acids and oxidizing agents. Reacts with catalysts.

**10.4 Conditions to avoid:** Avoid contact with strong oxidizing agents, excessive heat or flames.

**10.5 Incompatible materials:** Strong acids, bases and oxidizing agents.

**10.6 Hazardous decomposition products:** Nitric acid, Ammonia, Nitrogen oxides (NO<sub>x</sub>), Nitrogen oxide can react with water vapors to form corrosive nitric acid, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Aldehydes, Flammable hydrocarbon fragments.

## 11 Toxicological information

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## 11.1 Information on likely routes of exposure:

Skin contact: Harmful in contact with skin. Irritating.

Eye contact: Causes eye burns.

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

Inhalation: May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard.

Serious effects may be delayed following exposure.

**11.2 Symptoms related to physical, chemical and toxicological characteristics:** No data available.

**11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure:** This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction. This product may cause adverse reproductive effects. Eye disease, Skin disorders and Allergies.

**11.4 Numerical measures of toxicity:** No data is available for full mixture.

Polyetheramine		Oral LD50	550 mg/kg (rat)
		Dermal LD50	>1000 mg/kg (rat)

## 12 Ecological information

	product itself.	Species: Daphnia
<b>12.1 Aquatic toxicity:</b> No data available on the product	EC50 (48 h): 13 mg/l	Species: Fathead minnow
Toxicity to daphnia – Components	LC50 (96 h): > 100 mg/l	
Polyetheramine	ErC50 (72 h): 4.4 mg/l	
Toxicity to fish – Components	NOEC (72 h): 1 mg/l	
Polyetheramine		
Toxicity to Algae – Components		
Polyetheramine		

**12.2 Persistence and degradability:** No data available

**12.3 Bioaccumulative potential:** No data available for product itself.

**12.4 Mobility in soil:** No data available.

**12.5 Other adverse effects:** No further relevant information available

## 13 Disposal considerations

### 13.1 Waste treatment methods

**Waste from residue/unused product:** This product should not be allowed to enter drains, water courses or the soil.

Dispose of this material in a safe manner and in accordance with federal, state and local regulations

**Contaminated packaging:** Disposal must be made in accordance with official federal, state and local regulations.

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## 14 Transport information

### DOT

**UN number:** UN3082

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Polyetheramine).  
Marine Pollutant

**Hazard Class:** 9

**Packing Group:** III

**Labels(s):** 9

**Marine Pollutant:** Yes

### IATA

**UN number:** UN3082

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Polyetheramine).  
Marine Pollutant

**Hazard Class:** 9

**Packing Group:** III

**Labels(s):** 9

**Marine Pollutant:** Yes

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## IMDG

**UN number:** UN3082  
**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Polyetheramine).  
Marine Pollutant  
**Hazard Class:** 9  
**Packing Group:** III  
**Labels(s):** 9  
**Marine Pollutant:** Yes

## TDG

**UN number:** UN3082  
**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s. (Polyetheramine).  
Marine Pollutant  
**Hazard Class:** 9  
**Packing Group:** III  
**Labels(s):** 9  
**Marine Pollutant:** Yes

## 15 Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Toxic Substance Control Act (TSCA) 12(b) Component(s): None.

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

## SARA

<b>Section 355 (extremely hazardous substances):</b>
None of the ingredients is listed.
<b>Section 313 (Specific toxic chemical listings):</b>
Component(s) above 'de minimus' level: None



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<b>TSCA (Toxic Substances Control Act):</b>
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All the ingredients are listed.
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**Proposition 65 (California):**

<b>Chemicals known to cause cancer:</b> None
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**15.2 Chemical Safety assessment:** A Chemical Safety Assessment has not been carried out.

<b>16 Other information</b>
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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviation and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienist.

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substance

CAS: Chemical Abstracts Service (division of the American Chemical Society)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)