



## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

<b>Product identifier</b>	<b>CIM EMT Epoxy Resin (Part A)</b>	
<b>Version #</b>	02	
<b>Issue date</b>	03-10-2015	
<b>Revision date</b>	08-11-2016	
<b>Supersedes date</b>	03-10-2015	
<b>CAS #</b>	Mixture	
<b>Product use</b>	Moisture Tolerant Epoxy Primer	
<b>Manufacturer information</b>	CIM INDUSTRIES INC 6900 NELMS STREET HOUSTON, TX 77061 United States info@chasecorp.com General Assistance 800 543-3458 Chemtrec (US - 24 hrs) 800 424-9300 Chemtrec (INTL - 24 hrs) 703-527-3887	
<b>Supplier</b>	Not available.	

### 2. Hazards Identification

<b>Emergency overview</b>	WARNING
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Inhalation. Ingestion. Skin contact. Eye contact.
<b>Eyes</b>	Do not get this material in contact with eyes.
<b>Skin</b>	Do not get this material in contact with skin.
<b>Inhalation</b>	Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Ingestion</b>	Do not ingest.
<b>Signs and symptoms</b>	Direct contact with eyes may cause temporary irritation.
<b>Potential environmental effects</b>	May cause long-term adverse effects in the environment.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN (REACTION PRODUCT)	25068-38-6	30 - 60
Other components below reportable levels		40 - 70

Note: As supplied and during application the alumina trihydrate is bound within the CIM matrix. The alumina trihydrate is not in a respirable form and should not pose a hazard to the user.

### 4. First Aid Measures

<b>First aid procedures</b>	
<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

<b>Skin contact</b>	Remove and isolate contaminated clothing and shoes. Immediately flush skin with plenty of water. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by WHMIS criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Protective equipment for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not available.
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Hazardous combustion products</b>	Not available.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Do not contaminate water.
<b>Methods for containment</b>	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	This product is miscible in water. Should not be released into the environment.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

<b>Handling</b>	Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Do not use in areas without adequate ventilation. Wear positive pressure self-contained breathing apparatus (SCBA). Wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment.
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**Storage** Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep container dry. Store away from incompatible materials (see Section 10 of the MSDS).

## 8. Exposure Controls / Personal Protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).  
**Biological limit values** No biological exposure limits noted for the ingredient(s).  
**Exposure guidelines** Note: As supplied and during application the alumina trihydrate is bound within the CIM matrix. The alumina trihydrate is not in a respirable form.  
**Engineering controls** Ensure adequate ventilation, especially in confined areas.  
**Personal protective equipment**  
**Eye/face protection** Face-shield.  
**Skin protection** Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection.  
**Respiratory protection** Wear positive pressure self-contained breathing apparatus (SCBA).  
**Hand protection** Wear protective gloves.

## 9. Physical & Chemical Properties

**Appearance**  
**Physical state** Liquid.  
**Form** Liquid.  
**Color** Off-white.  
**Odor** AromaticOdorless Mild.  
**Odor threshold** Not available.  
**pH** Not available.  
**Vapor pressure** Not available.  
**Vapor density** Not available.  
**Boiling point** > 392 °F (> 200 °C)  
**Melting point/Freezing point** Not available.  
**Solubility (water)** Insignificant  
**Specific gravity** 1.55  
**Relative density** Not available.  
**Flash point** > 572.0 °F (> 300.0 °C)  
**Flammability limits in air, upper, % by volume** Not available.  
**Flammability limits in air, lower, % by volume** Not available.  
**Auto-ignition temperature** > 842 °F (> 450 °C)  
**VOC** < 36 g/l (when mixed with Hardener)  
**Evaporation rate** Not available.  
**Viscosity** 12000 cP  
**Partition coefficient (n-octanol/water)** Not available.  
**Other data**  
**Flammability (solid, gas)** Not applicable.

## 10. Chemical Stability & Reactivity Information

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical stability** Material is stable under normal conditions.  
**Conditions to avoid** Contact with incompatible materials.  
**Incompatible materials** Strong oxidizing agents.  
**Hazardous decomposition products** No hazardous decomposition products are known.

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use.

## 11. Toxicological Information

### Toxicological data

Product	Species	Test Results
CIM EMT Epoxy Resin (Part A)		
<u>Acute</u>		
Oral		
LD50	Rat	11364 mg/kg estimated
<b>Acute effects</b>	Not available.	
<b>Sensitization</b>	Not classified.	
<b>Chronic effects</b>	Not expected to be hazardous by WHMIS criteria.	
<b>Carcinogenicity</b>	Not available.	
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.	
<b>Serious eye damage/irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Reproductive effects</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Teratogenicity</b>	Not available.	
<b>Symptoms and target organs</b>	Direct contact with eyes may cause temporary irritation.	
<b>Synergistic materials</b>	Not available.	

## 12. Ecological Information

<b>Ecotoxicological data</b>	No ecotoxicity data noted for the ingredient(s).
<b>Ecotoxicity</b>	Contains a substance which causes risk of hazardous effects to the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Aquatic toxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation / accumulation</b>	No data available.
<b>Mobility in environmental media</b>	This product is miscible in water.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

### TDG

Not regulated as dangerous goods.

### IATA

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (BIPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN (REACTION PRODUCT))

**Transport hazard class(es)**

**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards** Yes  
**ERG Code** 9L

**Special precautions for user** Read safety instructions, MSDS and emergency procedures before handling.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**UN number** UN3082  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN (REACTION PRODUCT)), MARINE POLLUTANT

**Transport hazard class(es)**

**Class** 9  
**Subsidiary risk** -  
**Packing group** III  
**Environmental hazards**  
**Marine pollutant** Yes

**EmS** F-A, S-F

**Special precautions for user** Read safety instructions, MSDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

**IATA; IMDG****Marine pollutant**

**General information** IMDG Regulated Marine Pollutant.

**15. Regulatory Information**

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** D2B - Other Toxic Effects-TOXIC



### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

### Recommended use

Use in accordance with supplier's recommendations.

### HMIS® ratings

Health: 0  
Flammability: 1  
Physical hazard: 0

### NFPA ratings

Health: 0  
Flammability: 1  
Instability: 0

### Disclaimer

CIM INDUSTRIES INC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.

### Prepared by

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### Revision information

This document has undergone significant changes and should be reviewed in its entirety.