

## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

### 1. PRODUCT IDENTIFICATION

Trade Name(s): EMT Primer Hardener  
Product Description: Moisture Tolerant Epoxy Primer  
Synonyms: N/A  
CAS No: N/A

Supplier:  
EPRO Services, Inc.  
PO Box 347  
Derby, KS 67037  
800-882-1896 (8:00am – 5:00pm CST)

### 2. HAZARD(S) IDENTIFICATION

**Physical hazards:** Not classified.

**Health hazards**

**Acute toxicity, oral:** Category 4  
**Acute toxicity, dermal:** Category 4  
**Skin corrosion/irritation:** Category 2  
**Serious eye damage/eye irritation:** Category 2A  
**Sensitization, skin:** Category 1

**Environmental hazards:** Not classified.

**OSHA defined hazards:** Not classified.

**Label elements**



**Signal word:** Warning.

**Hazard statement:** Harmful if swallowed. Harmful in contact with skin. Cause skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

**Precautionary statement**

**Prevention:** Avoid breathing mist/vapor. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

**Response:** If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If skin irritation or rash occurs:

Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**Storage:** Store away from incompatible materials.

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

**Hazards not otherwise classified (HNOC):** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%</u>
Benzyl Alcohol	100-51-6	40 - < 50
2,4,6-Tri-(dimethylamino-methyl)phenol	90-72-2	1 - < 3
Trimethylhexane-1,6-diamine	25620-58-0	1 - < 3
Other components below reportable levels		50 - < 60

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders, seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. If present and easy to do. Continue rinsing. Get medical attention if irritation develop and persists.

**Ingestion:** Rinse mouth. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical advice/attention if you feel unwell.

**Most important symptoms/effects, acute and delayed:** Severe eye irritation. Symptoms may include stinging, tearing, redness, welling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information:** Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Foam. Powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher as this will spread the fire.

**Specific hazards arising from the chemical:** During fire gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Firefighting equipment/instructions:** Move containers from fire area if you can do so without risk.

**Specific methods:** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards:** No unusual fire or explosion hazards noted.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up:** This product is miscible in water. Large spills: Stop the flow of material if this is without risk. Dike the spilled material where possible. 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 SDS.

**Environmental precautions:** Avoid discharge into drains, water courses, or onto the ground.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:** Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink, or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities:** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV, or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### US Workplace Environmental Exposure Level (WEEL) Guides

<u>Components</u>	<u>Type</u>	<u>Value</u>
Benzyl Alcohol (CAS 100-51-6)	TWA	44.2 mg/m <sup>3</sup> 10 ppm

**Biological limit values:** No biological exposure limits noted for the ingredients.

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to condition. 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. Provide eyewash station and safety shower.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection – hand:** Wear appropriate chemical resistant gloves.

**Skin protection – other:** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and

protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Odor:** Amine-like

**pH:** Not available

**Initial boiling point & range:** > 392°F (> 200°C)

**Evaporation rate:** Not available

**Upper/lower flammability limits:** Not available

**Vapor pressure:** 0.07 hPa estimated

**Relative density:** Not available

**Partition coefficient (n-octanol/water):** Not available

**Decomposition temperature:** Not available

**Explosive properties:** Not explosive

**Oxidizing properties:** Not oxidizing

**VOC:** 36 g/l (when mixed with Resin)

**% Volatile:** > 97% (when mixed with Resin)

**Color:** Dark brown

**Odor threshold:** Not available

**Melting/freezing point:** 4.64°F (-15.2°C) estimated

**Flash point:** > 212°F (> 100°C)

**Flammability (solid, gas):** Not available

**Upper/lower explosive limits:** Not available

**Vapor density:** Not available

**Solubility (water):** Insignificant

**Auto-ignition temperature:** > 842°F (> 450°C)

**Viscosity:** 500 cP

**Flammability class:** Combustible IIIB estimated

**Specific gravity:** 1.01

**Density:** 1.04 g/cm<sup>3</sup> estimated

## 10. STABILITY AND REACTIVITY

**Reactivity:** The product is stable and non-reactive under normal condition of use, storage, and transport.

**Chemical stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reaction known under conditions of normal use.

**Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. Contact with incompatible materials.

**Incompatible materials:** Peroxides. Phenols.

**Hazardous decomposition products:** No hazardous decomposition products are known.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Inhalation:** Prolonged inhalation may be harmful.

**Skin contact:** Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** Harmful if swallowed.

**Symptoms related to the physical, chemical, and toxicological characteristics:** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

### Information on toxicological effects

**Acute toxicity:** Harmful in contact with skin. Harmful if swallowed.

#### Components

#### Species

#### Test Results

Benzyl Alcohol (CAS 100-51-6)

#### Acute

**Dermal LD50**

Rabbit

2000 mg/kg

**Inhalation LC50**

Rat

1000 mg/l, 8 hours

**Skin corrosion/irritation:** Causes skin irritation.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization:** Not a respiratory sensitizer.

**Skin sensitization:** May cause an allergic skin reaction.

**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** Not classifiable as to carcinogenicity to humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity:** Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):** Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens:** Not listed.

**Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity – single exposure:** Not classified.

**Specific target organ toxicity – repeated exposure:** Not classified.

**Aspiration hazard:** Not an aspiration hazard.

**Chronic effects:** Prolonged inhalation may be harmful.

## 12. ECOLOGICAL INFORMATION (non-mandatory)

**Ecotoxicity:** 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.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
EMT Epoxy Hardener		
<b>Aquatic</b>		
Fish LC50	Fish	382.5847 mg/l, 96 hours estimated

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Benzyl Alcohol (CAS 100-51-6)		
<b>Aquatic</b>		
Fish LC50	Bluegill (Lepomis macrochirus)	10.5 mg/l, 96 hours

### Persistence and degradability

**Biodegradability**

**Percent degradation (Aerobic biodegradation)**

Benzyl Alcohol: 94%

### Bioaccumulative potential

**Partition coefficient n-octanol / water (log Kow)**

Benzyl Alcohol: 1.1

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

**Other adverse effects:** This product contains volatile organic compounds which have a photochemical ozone creation potential.

## 13. DISPOSAL CONSIDERATIONS (non-mandatory)

**Disposal instructions:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** D002: Waste Corrosive material (pH  $\leq 2$  or  $\geq 12.5$ , or corrosive to steel). Waste code should be assigned in discussion between user, producer, and waste disposal company.

**Waste from residues / unused products:** Dispose of in accordance with local regulations. Empty containers or liner may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

**Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty container should be taken to an approved waste handling site for recycling or disposal.

#### 14. TRANSPORT INFORMATION (non-mandatory)

**DOT:** Not regulated as dangerous goods.

**IATA:** Not regulated as dangerous goods.

**IMDG:** Not regulated as dangerous goods.

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

#### 15. REGULATORY INFORMATION (non-mandatory)

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

**CERLA Hazardous Substance List (40 CFR 302.4):** Not listed.

**SARA 304 Emergency release notification:** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not regulated.

#### Superfund Amendment and Reauthorization Act of 1986 (SARA)

**SARA 302 Extremely hazardous substance:** Not listed.

**SARA 311/312 Hazardous chemical:** Yes

Classified hazard categories: Acute toxicity (any route of exposure). Skin corrosion or irritation. Serious eye damage or eye irritation. Respiratory or skin sensitization.

**SARA 313 (TRI reporting):** Not regulated.

#### Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.

**Safe Drinking Water Act (SDWA):** Not regulated.

#### US state regulations

**California Proposition 65:** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). This material is not known to contain any chemical currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### International Inventories

Country or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
US & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*"Yes" indicates that all components of this product comply with the inventory requirements by the governing countries. "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.

### 16. OTHER INFORMATION

This 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 designated 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.