



## SAFETY DATA SHEET (SDS)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** ECTR-MVB PART B  
**Other means of identification:** None  
**Recommended use:** Epoxy Hardener  
**Manufactured by:** Xtreme Polishing Systems  
2200 NW 32nd Street #700  
Pompano Beach, FL 33069  
**E-mail Address :** www.xtremepolishingsystems.com  
**Prepared by:** The Health, Safety and Environmental Department of Xtreme Polishing Systems

**Emergency Telephone Number:**

**24-Hour Emergency Telephone Number United States (ChemTel: MIS7038570) 800.255.3924**

### SECTION 2. HAZARDS IDENTIFICATION

**GHS Classification of hazardous product**

Respiratory Sensitization (Category 1)  
Skin Sensitization (Category 1)  
Skin Corrosion/irritation (Category 2)  
Eye damage/irritation (Category 2A)  
Acute Toxicity, Oral (Category 4)

**GHS Label Elements: Hazard Pictograms/symbols**



**Signal Word:** DANGER

**Hazard and Precautionary Statements:**

H302 Harmful if swallowed  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H317 May cause an allergic skin reaction

P101 If medical advice is needed, have product container or label at hand  
P102 Keep out of reach of children  
P103 Read label before use  
P284 In case of inadequate ventilation wear respiratory protection  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards Known:** None known

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (%)</u>
Ethylenediamine	107-15-3	< 2%
2,4,6-tris-(dimethylaminomethyl)-phenol	90-72-2	< 2%

### SECTION 4. FIRST AID MEASURES

**Inhalation** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**Ingestion** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**Skin Contact** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.



## SAFETY DATA SHEET (SDS)

**Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

### **Most important symptoms and effects (acute and delayed)**

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### **Indication of any immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

### **General Information**

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## SECTION 5. FIRE-FIGHTING MEASURES

### **Extinguishing media**

**Suitable extinguishing media:** In case of fire: Water fog. Foam. Dry chemical 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 hazardous product:** During fire, gases hazardous to health may be formed.

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

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillage cannot be contained. For personal protection, see section 8 of the SDS.

### **Methods and materials for containment and cleaning up**

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. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material. 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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not get this material in contact with eyes. DO not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### **Conditions for safe storage, including any incompatibilities**

Store locked up. Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control Parameters ( biological limit values or exposure limit values and source of those values)**

Exposure limits:

CAS 107-15-3      ethylenediamine



### SAFETY DATA SHEET (SDS)

PEL	LONG-TERM VALUE: 25 mg/m <sup>3</sup> , 10 ppm
REL	LONG-TERM VALUE: 25 mg/m <sup>3</sup> , 10 ppm
TLV	LONG-TERM VALUE: 25 mg/m <sup>3</sup> , 10 ppm skin

#### Engineering Controls

Provide good local exhaust ventilation to control vapour/mist. Eye wash facilities and emergency showers must be available when handling this product.

#### Personal Protective Equipment

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate protective clothing. When using, do not eat, drink or smoke. 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. Eyewash fountains and safety showers are recommended in the work area.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical State/ Appearance/ Color:	liquid, Red-brown	Vapour Pressure:	Not available
Odour:	Slight amine odour	Vapour Density:	Not available
Odour threshold:	Not available	Relative Density:	0.987 (g/ml)
pH:	Not available	Solubility:	Partial
Melting/freezing point:	Not available	Partition coefficient-n-octanol/water:	Not available
Initial boiling point/range:	Not available	Auto-ignition temperature:	Not available
Flash point (closed cup):	> 104 °C	Decomposition temperature:	Not available
Evaporation rate:	Not available	Viscosity:	900 - 1000 cps
Flammability (solids and gases):	Not available	VOC:	Not available
Upper and lower flammability/explosive limits	Not available	Other:	None known

### SECTION 10. STABILITY AND REACTIVITY

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

**Chemical Stability:** This product is stable under normal conditions.

**Possibility of hazardous reactions:** This product will polymerize if mixed with an epoxy resin. Considerable heat can evolve.

**Conditions to Avoid:** Avoid temperatures exceeding the flash point. Epoxy resins under uncontrolled conditions.

**Incompatible materials:** Strong oxidizing agents and acids.

**Hazardous decomposition products:** Unknown.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Likely routes of exposure (inhalation, ingestion, skin and eye contact):

May be harmful if inhaled. Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. Causes severe skin burns. Causes serious eye damage.

#### Symptoms related to the physical, chemical and toxicological characteristics:

Contains ingredients which are extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin. Burning pain and severe corrosive skin damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing, shortness of breath, headaches, and nausea.

#### Delayed and immediate effects ( chronic effects from short- term and long-term exposure):

**Skin Sensitization** – Sensitization after skin contact possible; **Respiratory Sensitization** – No data available; **Germ Cell Mutagenicity** – No data available; **Carcinogenicity** – No ingredient listed by IARC, ACGIH, NTP or OSHA **Reproductive Toxicity** – Suspected of damaging fertility or the unborn child; **Specific Target Organ Toxicity — Single Exposure** – No data available; **Specific Target Organ Toxicity - Repeated Exposure** – No data available; **Aspiration Hazard** – Possible; **Health Hazards Not Otherwise Classified** – No data available.

#### Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>):

CAS Proprietary No data available



## SAFETY DATA SHEET (SDS)

CAS 107-15-3 ethylenediamine

Oral	LD50	500 mg/kg (rat)
Dermal	LD50	730 mg/kg (rabbit)
Inhalative	LC50/4 h	0.3 mg/l (mouse)

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity ( aquatic and terrestrial information):**

No further relevant information available..

**Water hazard class 1 (self-assessment): slightly hazardous for water**

**Persistence and degradability:** Not readily biodegradable.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** Adsorption to solid soil phase is possible for some ingredients but not enough data is available for the mixture.

**Other adverse effects:** No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Information on safe handling for disposal/methods of disposal/contaminated packaging:** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

### SECTION 14. TRANSPORT INFORMATION

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:**

Non-hazardous for transport

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):**

Not regulated as dangerous goods, Non-hazardous for transport

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):**

Not hazardous for transport

**Special Precautions( transport/conveyance):** None

**Environmental hazards (IMDG or other):** No

**Bulk transport (usually more than 450L in capacity):** Possible.

### SECTION 15. REGULATORY INFORMATION

**Safety/health Canadian regulations specifics:** Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics:** Refer to section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specifics:** None

United States OSHA information: This product is regulated according to OSHA (29 CFR).

United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3; 12; 13 & 14.

United States TCSA information: EPA TSCA Inventory: All of the ingredients in this product are listed on the EPA TSCA Inventory.

### SECTION 16. OTHER INFORMATION

**Date of latest revision of the safety data sheet:** 12 November 2018

**Disclaimer:**

**NOTICE TO READER:**

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\*\*\*END OF S.D.S.\*\*\*