



SAFETY DATA SHEET (SDS)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECTR-MVB A
Other means of identification: None
Recommended use: Epoxy Resin, Moisture Vapor Barrier
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

Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)
Skin Sensitization (Category 1)
Skin corrosion (Category 1B)
Reproductive toxicity (Category 2)
Skin irritation (Category 2)
Serious eye damage/irritation (Category 2B)
Acute Toxicity, Oral (Category 4)

GHS Label Elements

Hazard Pictograms/symbols



Signal Word: WARNING

Hazard and Precautionary Statements:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H320 May cause eye irritating
H361 Suspected of damaging fertility or the unborn child
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

P201 Obtain special instructions before use. **P202** Do not handle until all safety precautions have been read and understood. **P260** Do not breathe dust/fume/gas/mist/vapours/spray **P264** Wash with plenty of water and soap 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. **P280** Wear protective gloves/eye protection. **P301 + P330 + P331 IF SWALLOWED:** rinse mouth. Do NOT induce vomiting. **P302 + P352 IF ON SKIN:** Wash with plenty of soap and water. **P303 + P361 + P353 IF ON SKIN (or hair):** Remove/Take off immediately contaminated clothing. Rinse skin with water/shower. **P304 + P340 IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. **P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. **P308 + P313 IF exposed or concerned:** Get medical advice/attention. **P310:** Immediately call a POISON CENTER or doctor/physician. **P332 + P371 + P350 + P313:** If skin/eyes irritation occurs, wash with plenty of soap and water and get medical attention. **P333 + P313** If skin irritation or rash occurs: Get medical advice/attention. **P362 + P364** Take off contaminated clothing and wash before reuse. **P363:** Wash contaminated clothing before reuse. **P391:** Collect spillage. **P405:** Store locked up. **P410 + P403:** Store container tightly closed in a well-ventilated place. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other Hazards Known: None known

GHS Special Labeling: EUH205 - "Contains epoxy constituents. See information supplied by the manufacture."



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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (%)</u>
bisphenol-A epoxy resin	25068-38-6	70 - 90 %
alkyl glycidyl ether	68609-97-2	10 - 20 %
Phenol, 4-nonyl-, branched	84852-15-3	1 - 10 %

SECTION 4. FIRST AID MEASURES

Ingestion IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell.
Skin Contact IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention

Most important symptoms and effects (acute and delayed)

Prolonged or repeated contact may cause skin irritation with local redness. May cause eye irritation. Corneal injury is unlikely. Has caused allergic skin reactions in humans.

Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

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 (CO₂)

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

Specific hazards arising from the hazardous product: During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

Special protective equipment and precautions for fire-fighting: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire-fighting clothing. Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel away. Wear appropriate protective equipment and clothing during clean-up. 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.



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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in cool and dry, under well-ventilated conditions. Store away from incompatible materials (see Section 10 of the SDS). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Exposure limits:

CAS 25068-38-6	Respiratory protection: suitable breathing mask when there is inadequate ventilation Hand protection: suitable protective gloves Eye protection: protective goggles Skin and body protection: suitable protective clothes
CAS 68609-97-2	No exposure limits noted for the ingredient(s)
CAS 84852-15-3	Respiratory protection: not normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Hand protection: suitable protective gloves Eye protection: Chemical resistant goggles must be worn, face-shield. Skin and body protection: suitable protective clothes

Engineering Controls

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

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 Yellowish	Vapour Pressure:	Not available
Odour:	Slight aromatic	Vapour Density:	Not available
Odour threshold:	Not available	Relative Density:	1.09 (g/ml)
pH:	Not available	Solubility:	Practically insoluble in water
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):	> 93 °C	Decomposition temperature:	Not available
Evaporation rate:	Not available	Viscosity:	Not available
Flammability (solids and gases):	Not available	VOC:	< 25 g/L
Upper and lower flammability/explosive limits	Not available	Other:	None known

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Exothermic reactions including polymerization may occur in contact with amines.

Chemical Stability: This product is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Excessive heat, ignition sources, dirt, chemical contamination, sunlight, UV, ionising radiation, static electricity discharge.

Incompatible materials: Strong acids, bases, and oxidizing agents. Avoid contact with amines.

Hazardous decomposition products: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes, and other products of incomplete combustion. In fire, toxic fumes may be generated.



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SECTION 11. TOXICOLOGICAL INFORMATION

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

May be harmful if swallowed. May cause skin irritation. May cause an allergic skin reaction. May cause eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

High airborne concentrations of vapors may cause irritation of the respiratory tract and mucous membranes. Symptoms may include stinging, itching, tearing, redness, swelling, and blurred vision.

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** No data available; **Specific Target Organ Toxicity — Single Exposure** – No data available; **Specific Target Organ Toxicity - Repeated Exposure** – No data available; **Aspiration Hazard** – No data available; **Health Hazards Not Otherwise Classified** – No data available.

Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀):

CAS 25068-38-6 LD₅₀: 10000 ~ 11400 mg/kg body weight
Skin: irritating
Eye: irritating
CAS 68609-97-2 LD₅₀: 17100 mg/kg body weight
Skin: irritating
Eye: irritating
CAS 84852-15-3 LD₅₀: 300 ~ 2000 mg/kg body weight
Skin: corrosive
Eye: causes serious eye damage

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial information):

Hazardous to the aquatic environment

Product	Species	Result
CAS 25068-38-6	LC ₅₀	1 – 10 mg/L
CAS 68609-97-2	LC ₅₀ Fish	> 1800 mg/l - 96 h
	LC ₅₀ Fish	> 5000 mg/l - 96 h
	EC ₅₀ Invertebrates	6.07-7.2 mg/l - 48 h
CAS 100-51-6	LC ₅₀ Pimephales promelas (fathead minnow)	> 0.1 – 1 mg/l - 96 h
	EC ₅₀ Daphnia magna (water flea)	> 0.1 – 1 mg/l - 48 h

Persistence and degradability: Not enough data available.

Bioaccumulative potential: Bioconcentration potential is moderate.

Mobility in soil: Low potential for mobility in soil.

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:

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A epoxy resin, nonyl phenol); CLASS 9 (8); PG III

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

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A epoxy resin, nonyl phenol); CLASS 9 (8); PG III

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

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A epoxy resin, nonyl phenol); CLASS 9 (8); PG III

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Special Precautions (transport/conveyance): May also be shipped as a LIMITED QUANTITY in accordance with TDG.

Environmental hazards (IMDG or other): Marine Pollutant

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 TCSA Inventory: All of the ingredients in this product are listed on the EPA TCSA Inventory.

SECTION 16. OTHER INFORMATION

Date of latest revision of the safety data sheet: 25 October 2018

Disclaimer:

NOTICE TO READER:

Xtreme Polishing Systems expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Xtreme Polishing Systems makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Xtreme Polishing Systems' control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the use in combination with a product designated herein, and does not relate to its by other material or in any other process.

END OF S.D.S.