

1. Identification

Product Identifier: **Moisture Seal Pro Black Resin**
 Use: Epoxy Resin. For Industrial/Professional use only.
 Manufacturer: Polytek Development Corp.
 55 Hilton Street, Easton, PA 18042
 Phone Number: 800-858-5990 (8 a.m. to 6:30 p.m. EST)
 Emergency Phone: CHEMTREC 800-424-9300 or
 +1 703-527-3887
 E-mail: sds@polytek.com

2. Hazards Identification

GHS Classification:

Skin Irritation – Category 2
 Eye Irritation – Category 2A
 Skin Sensitization – Category 1
 Carcinogenicity – Category 2
 Hazardous to the Aquatic Environment – Chronic Hazard Category 2

Label Elements: Warning



Hazard Phrases

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H351 Suspected of causing cancer.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P203 Obtain, read and follow all safety instructions before use.
 P261 Avoid breathing fumes, vapors, mists or sprays.
 P264 Wash thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves, protective clothing, eye protection and face protection.
 P302+P352 IF ON SKIN: Wash with plenty of 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.
 P318 IF exposed or concerned, get medical advice.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P337+P317 If eye irritation persists: Get medical help.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on the hardener before use.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Epoxy Resin	25068-38-6	70-80
Oxirane, Mono[(C12-14-alkyloxy)methyl] Derivs.	68609-97-2	10-20
Solvent naphtha, petroleum, light aromatic	64742-95-6	0-1
Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below concentration/cut-off thresholds.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Get medical attention if irritation develops or persists.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse.
Inhalation: Remove person to fresh air. Get medical attention if symptoms develop or persist.
Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.
Most Important Symptoms/Effects: None known.
Indication of Immediate Medical Attention/Special Treatment: Not expected to be required.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.
Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions.
Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing fumes or vapors.
Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.
Safe Storage: Store indoors at temperatures below 120°F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None Established
Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.
Respiratory Protection: If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).
Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.
Eye Protection: Wear chemical safety glasses or goggles.
Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

9. Physical and Chemical Properties

Appearance: Liquid, colors vary
Odor: Mild
Odor Threshold: No data available
pH: No data available
Melting Point: No data available
Boiling Point: No data available
Flash Point: >93°C
Evap. Rate: No data available
Flamm. Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: 1.16 @ 25°C
Solubility: No data available
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 2,000 cps @ 25°C

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions: Masses of ≥ 1 lb (0.5kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide.
Conditions to Avoid: Avoid extreme heat and direct sunlight.
Incompatible Materials: Avoid strong oxidizing agents, strong acids, amines, mercaptans, and Lewis acids.
Hazardous Decomposition Products: Carbon oxides.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.
Skin Contact: Causes skin irritation. May cause allergic reaction to skin.
Inhalation: May cause mild respiratory irritation.
Ingestion: No data available.
Chronic Health Effects: May cause allergic skin reaction.
Acute Toxicity Values: Not acutely hazardous.
Respiratory Sensitization: Components are not classified as respiratory sensitizers.
Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Components are not classified as mutagens.
Carcinogenicity: Suspected of causing cancer.
Reproductive Toxicity: Components are not classified as reproductive toxins.
Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects. Avoid release to the environment.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Low potential for bioaccumulation.
Mobility in Soil: No data available.

13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state and federal regulations.

14. Transport Information

DOT: Non-Bulk packages (<882lb or <119gal) are not regulated for transport.

Bulk packages: UN3082, Environmentally hazardous substance, liquid, n.o.s. (epoxy resin), 9, III, MARINE POLLUTANT.

IATA/IMDG: UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III, MARINE POLLUTANT

Excepted from IATA and IMDG regulations if shipped in quantities of 5L (1.32 gal) or less. (See IATA A197 and IMDG 2.10.2.7)

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887.

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product does not contain reportable quantities of CERCLA 103 chemicals.

SARA TITLE III Section 311/312: Acute/Chronic Health

Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: WARNING: This product can expose you to Epichlorohydrin, a chemical known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial/professional use only.

SDS Revision Notes: GHS format: April 12, 2024

Disclaimer: The information contained herein is considered accurate; however, Polytek® Development Corp. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.