

1. Identification

Product Identifier: **PolyPoxy® 5105 Laminating Epoxy Hardener**
PolyPoxy® 5114 Heat Resistant Laminating Gray Epoxy Hardener
PolyPoxy® 6052 Epoxy Hardener
PolyPoxy® 7136 Casting Epoxy Hardener

Product Code(s): BC5105H, BC5114H, BC7136H

Use: Epoxy Curing Agent. For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.
 2140 Earlywood Drive, Franklin, IN 46131

Phone Number: 610-559-8620 (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:

Acute Toxicity – Oral Category 4
 Acute Toxicity – Dermal Category 4
 Skin Corrosion Category 1B
 Eye Damage/Irritation Category 1
 Skin Sensitization Category 1
 Specific Toxic Organ Toxicity-Repeated Exposure Category 2
 Aquatic Toxicity - Chronic Category 3

Label Elements: Danger



Hazard Phrases

H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P260 Do not breath dusts or mists.
 P261 Avoid breathing vapors.
 P264 Wash hands 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 work place.
 P273 Avoid release to the environment.
 P280 Wear protective gloves and eye protection.
 P301+P317 IF SWALLOWED: Get medical help.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P316 Get emergency medical help immediately.
 P317 Get medical help.
 P319 Get medical help if you feel unwell.
 P330 Rinse mouth.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P363 Wash contaminated clothing before reuse.
 P333+P317 If skin irritation or rash occurs: 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: None.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Mixed Cycloaliphatic amines	Proprietary	45-55
Triethylenetetramine	112-24-3	40-60
N-Methyl Imidazole	616-47-7	0-10
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.		

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 persists.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation persists.
Inhalation: Remove person to fresh air. Get medical attention if symptoms persist.
Ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
Most Important Symptoms/Effects: May cause eye damage and eye pain, watering and redness.
Indication of Immediate Medical Attention/Special Treatment: Eye pain, watering and redness.

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 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, amber

Odor: Amine

Odor Threshold: No data available

pH: Alkaline

Melting Point: No data available

Boiling Point: No data available

Flash Point: >200°F

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: >1 (Air = 1)

Relative Density: No data available

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 60-80 cps

10. Stability and Reactivity

Reactivity: No specific data is available for this product.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: No data available.

Incompatible Materials: Reactive or incompatible with acids and epoxy resins.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition should not occur.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns. May cause allergic reaction to skin.

Inhalation: Vapors or mists may cause respiratory irritation.

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Chronic Health Effects: Not fully determined.

Acute Toxicity Values: Product is considered Acute Toxicity – Oral Category 4 and Acute Toxicity – Dermal Category 3 based on toxicity data for hazardous constituents.

Respiratory Sensitization: Components are not respiratory sensitizers.

Skin Sensitization: Components are skin sensitizers.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not designated as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: Components are not known reproductive toxins.

Specific Target Organ Toxicity: Repeat Exposure: May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

Ecotoxicity: Product is considered dangerous to aquatic environment. Do not release into waterways.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

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

U.S.: UN2735, Amines, liquid, corrosive n.o.s. (cycloaliphatic amine), 8, II.

IMDG & IATA: UN2735, Amines, liquid, corrosive n.o.s. (cycloaliphatic amine), 8, II.

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: This product does not contain substances 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: November 15, 2019

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.