

1. Identification

Product Identifier: **BC-7062 Epoxy Hardener**
BC-7065 Epoxy Hardener
 Product Code(s): BC7062H
 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
 Acute Toxicity – Inhalation Category 2
 Skin Corrosion – Category 1B
 Serious Eye Damage – Category 1
 Skin Sensitization – Category 1
 Reproductive Toxin – Category 2
 Specific Target Organ Toxicity Single Exposure – Category 3
 Hazardous to the Aquatic Environment – Acute Hazard Category 2
 Hazardous to the Aquatic Environment – Chronic Hazard Category 2

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.
 H330 Fatal if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H361 Suspected of damaging fertility or the unborn child.
 H401 Toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary Phrases:

P203 Obtain, read and follow all safety instructions before use.
 P260 Do not breathe fumes, vapors or mists.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves, protective clothing and eye protection.
 P284 In case of inadequate ventilation, wear respiratory protection.
 P301+P317 IF SWALLOWED: Get medical help.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
 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.
 P316 Get emergency medical help immediately.
 P317 Get medical help.
 P318 IF exposed or concerned, get medical advice.
 P319 Get medical help if you feel unwell.
 P330 Rinse mouth.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 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 part A before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Polyoxypropylenediamine	9046-10-0	20-30
Bisphenol A	25068-38-6	10-20
4,4'-Isopropylidenediphenol	80-05-7	5-15
Diethylenetriamine	111-40-0	20-30
Triethylenepentamine	112-57-2	20-30
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentrations limits.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention immediately.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Launder clothing before re-use. Discard items that cannot be decontaminated.
Inhalation: If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention immediately.
Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention immediately.
Most Important Symptoms/Effects: Causes serious skin burns and eye damage. May cause respiratory irritation or allergic skin reaction. Fatal if inhaled.
Indication of Immediate Medical Attention/Special Treatment: Get medical attention immediately if in eyes, on skin, or inhaled.

5. Fire-Fighting Measures

Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water fog or dry chemical.
Specific Hazards: Not classified as flammable or combustible.
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: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area.
Methods and Materials for Containment and Cleanup: Do not discharge material into waterways. Cover with an inert absorbent material and collect into an appropriate container for disposal.

7. Handling and Storage

Safe Handling: Avoid contact with eyes, skin and clothing. When using, do not eat, drink, or smoke. Use with properly positioned local exhaust ventilation to prevent exposure. Wash thoroughly after handling. Keep container closed when not in use.
Safe Storage: Store indoors at temperatures between 40°F and 95°F. Store in original, unopened containers away from incompatible materials, open flames, and high temperatures.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For diethylenetriamine (CAS 111-40-0):

ACGIH TLV 4.3 mg/m³ TWA

Ventilation: Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Respiratory Protection: If ventilation is not adequate, use an approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles or face shield.

Other Protective Measures: Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid
Odor: No data available
Odor Threshold: No data available
pH: No data available
Melting Point/Freezing Point: No data available
Boiling Point: No data available
Flash Point: No data available
Evap. Rate: No data available
Flamm. Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: No data available
Solubility: Insoluble in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
Possibility of Hazardous Reactions: Mixtures with strongly acidic or strongly alkaline materials may produce an exothermic reaction.
Conditions to Avoid: Avoid elevated temperatures and sources of ignition.
Incompatible Materials: Avoid strong acids, strong oxidizing agents, strong reducing agents, acid chlorides, acid anhydrides, hypochlorites. Mixtures with nitriles may generate carcinogenic N-Nitrosamines.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitric acid, ammonia, and nitrogen oxides.

11. Toxicological Information

Eye Contact: Causes serious eye damage.
Skin Contact: Causes skin burns and irritation.
Inhalation: Fatal if inhaled.
Ingestion: Harmful if swallowed.
Chronic Health Effects: May cause allergic skin reaction.
Acute Toxicity Values: For diethylenetriamine (CAS 111-40-0):
Oral LD₅₀ Rat: 1,836 mg/kg
Dermal LD₅₀ Rabbit: 1,986 mg/kg
Inhalation LD₅₀ Rat: 0.30 mg/L
For Triethylenepentamine (CAS 112-57-2):
Oral LD₅₀ Rat: 1,716 mg/kg
Dermal LD₅₀ Rabbit: 1,260 mg/kg

Respiratory Sensitization: This product is not considered a respiratory sensitizer.

Skin Sensitization: This product is classified as a skin sensitizer.

Germ Cell Mutagenicity: This product is not considered a mutagen.

Carcinogenicity: Product has not been tested for carcinogenicity. No ingredients are designated as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: This product contains Bisphenol A (CAS 80-05-7), a chemical suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity: The product may cause respiratory irritation after a single exposure.

12. Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects. 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

Incinerate or otherwise dispose according to local, state and federal regulations.

14. Transport Information

U.S. DOT: UN1760, Corrosive liquids, n.o.s (polyoxypropylenediamine, diethylenetriamine, tetraethylenepentamine), 8, II, MARINE POLLUTANT

IMDG: UN1760, Corrosive liquids, n.o.s (polyoxypropylenediamine, diethylenetriamine, tetraethylenepentamine), 8, II, MARINE POLLUTANT

AIR/IATA: UN1760, Corrosive liquids, n.o.s (polyoxypropylenediamine, diethylenetriamine, tetraethylenepentamine), 8, II, MARINE POLLUTANT

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

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: RQ for methylorlane is 100 lb. RQ for Bisphenol A is 5000 lb. Some states have more stringent reporting requirements.

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

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Bisphenol A (CAS 25068-38-6) 10-20%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: WARNING: This product contains Bisphenol A (CAS 25068-38-6), a chemical known to the State of California to cause birth defects or other 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 use only.

SDS Revision Notes: GHS Format, February 7, 2020

Disclaimer: The information contained herein is considered accurate; however, Polytek® 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.