

1. Identification

Product Identifier: **BC-7062 Epoxy Resin**
BC-7065 Epoxy Resin

Product Code(s): BC7062R. BC7065R

Use: Epoxy resin for epoxy system.
 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:

Flammable Liquid Category 4
 Skin Irritation Category 2
 Eye Irritation Category 2A
 Skin Sensitizer Category 1
 Respiratory Sensitizer Category 1
 Germ Cell Mutagen Category 2
 Carcinogenicity Category 2
 Hazardous to the Aquatic Environment Chronic Hazard Category 2

Label Elements: Danger



Hazard Phrases

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H227 Combustible liquid.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H341 Suspected of causing genetic defects.
 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.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing fumes or vapors.
 P264 Wash hands and contacted areas thoroughly after handling.
 P272 Contaminated work clothing must 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.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: remove person to fresh air and keep 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. 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.
 P342+P316 If experiencing respiratory symptoms: Get emergency medical help immediately.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P391 Collect spillage.
 P403 Store in a well-ventilated place.

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 curative before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	25085-99-8	20-30
Butyl-2,3-epoxypropyl ether	2426-08-6	0-10

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. 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. Wash contaminated clothing before reuse. Throw away clothing that cannot be decontaminated.

Inhalation: Remove person to fresh air. If having difficulty breathing, get medical attention immediately.

Ingestion: Do not induce vomiting unless instructed to do so by a medical professional. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: May cause an allergic skin reaction or asthmatic symptoms.

Indication of Immediate Medical Attention/Special Treatment: If difficulty breathing, get emergency medical help.

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 spread fire.

Specific Hazards: Combustible liquid. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Clear unnecessary, unprotected 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 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 (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Butyl-2,3-epoxypropyl ether (CAS 2426-08-6):

OSHA PEL	50 ppm TWA
ACGIH TLV	3 ppm TWA

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. 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 glasses/goggles.

Other Protective Measures: 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: Epoxy

Odor Threshold: No data available

pH: Not determined

Melting Point: No data available

Boiling Point: No data available

Flash Point: 157°F

Evap. Rate: No data available

Upper/Lower Flammability Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: No data available

Solubility: Nil to slightly soluble 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: Masses of ≥ 1 lb (0.5 kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide. Reaction with peroxides may result in violent decomposition of peroxide with possible explosion hazard.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Avoid contact with strong oxidizing agents, acids, and reducing agents.

Hazardous Decomposition Products: Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide, phenolics, and aldehydes.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Inhalation: Vapors from heated product may cause respiratory irritation.

Ingestion: No data available.

Chronic Health Effects: May cause an allergic skin reaction.

Acute Toxicity Values: Not acutely hazardous.

Respiratory Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sensitization: Causes allergic skin reaction.

Germ Cell Mutagenicity: Product contains Butyl-2,3-epoxypropyl ether (CAS 2426-08-6), a chemical suspected of causing genetic defects.

Carcinogenicity: Product contains Butyl-2,3-epoxypropyl ether (CAS 2426-08-6), a chemical suspected of causing cancer.

Reproductive Toxicity: Components are not reproductive toxins.

Specific Target Organ Toxicity: Not classified based on available data.

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

Dispose according to local, state and federal regulations. Do not dump in drains or sewers.

14. Transport Information

U.S.: UN1993, Flammable liquid, n.o.s (Butyl-2,3-epoxypropyl ether, epoxy resin), 3, III, MARINE POLLUTANT.

International shipments: UN1993, Flammable liquid, n.o.s (Butyl-2,3-epoxypropyl ether, epoxy resin), 3, III, 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: This product is not subject to reporting under CERCLA. 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 no chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

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

STATE REGULATIONS:

California Proposition 65: WARNING: This product contains Epichlorohydrin (CAS 106-89-8), 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 Classification, February 10, 2020

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.