

1. Identification

Product Identifier: PolyFoam R-2 Rigid Casting Foam Part B
PolyFoam R-5 Rigid Casting Foam Part B
PolyFoam R-8 Rigid Casting Foam Part B

Product Code(s): R2B, R5B, R8B

Use: Component for Polyurethane Casting/Mold Shell Foam. For Industrial/Professional use only.

Manufacturer: Polytek Development Corp.
55 Hilton St., Easton, PA 18042

Phone Number: 610-559-8620 (9 a.m. to 5 p.m. EST)

Emergency Phone: CHEMTREC 800-424-9300 or
+1 (703) 527-3887

E-mail: sds@polytek.com

2. Hazards Identification

GHS Classification: Not classified as hazardous

Label Elements: Not classified as hazardous

Supplemental Information: May cause mild eye and skin irritation. Avoid contact with eyes, skin and clothing.

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

Ingredients are not classified as health and/or environmental hazards, and/or are present below cut-offs/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: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

Ingestion: If swallowed, rinse Mouth. Drink water. Induce vomiting only with medical supervision.

Most Important Symptoms/Effects: May cause mild skin and eye irritation.

Indication of Immediate Medical Attention/Special Treatment: Not expected to be required.

5. Fire-Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical, foams, or water spray.

Specific Hazards: Not classified as flammable or combustible. May generate toxic/irritating compounds and dense smoke in fire conditions.

Special Protective Equipment and Precautions for Fire-Fighters: Wear SCBA & full-body protective suit. Cool hot 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.

Methods and Materials for Containment and Cleanup: Contain spill and prevent/minimize release to the environment. Absorb spilled material with an inert absorbent. Collect and containerize material. Dispose of residue in accordance with state and local regulations.

7. Handling and Storage

Safe Handling: Avoid breathing vapor. Use in well ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke in work area. Wash hands after handling. See Section 8.

Safe Storage: Store indoors at temperatures between 60 and 95°F. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Exposure Limits: No OSHA or ACGIH exposure limits apply.

Engineering Controls: Provide general and local exhaust to minimize airborne concentrations.

Personal Protective Equipment: Wear eye protection (e.g., chemical splash goggles), protective clothing and impermeable gloves (e.g., nitrile or butyl rubber). In the absence of good ventilation, use respirator equipped with organic vapor cartridges or air-supplied respirator.

Other Protective Measures: Impervious clothing is recommended to prevent skin contact and contamination of personal clothing. An eyewash and washing facility should be available in the work area.

9. Physical and Chemical Properties

Appearance: Amber liquids

Odor: Slight

Odor Threshold: No data available

pH: Not applicable

Melting Point: No data available

Boiling Point: No data available

Flash Point: >128°C (262°F) (estimated)

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: ≤0.1 mm Hg @ 25°C

Vapor Density: No data available

Relative Density: 1.0-1.1 @ 25°C

Solubility: Slightly soluble in water

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

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 1,000-3,000 cP @ 25°C

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: Reaction with strong oxidizers generates heat.

Conditions to Avoid: Excessive heat and exposure to sunlight.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon.

11. Toxicological Information

Eye Contact: May cause mild irritation.

Skin Contact: May cause mild irritation.

Inhalation: Vapors or mists may cause mild respiratory irritation.

Ingestion: Single oral dose toxicity is low. No harmful effects anticipated from ingesting small amounts incidental to normal handling. Large amounts may cause gastrointestinal effects.

Chronic Health Effects: None known.

Acute Toxicity Values: For polyol ingredients: Oral rat LD50 >2,000 mg/kg; Skin rabbit LD50 >2,000 mg/kg

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not listed as known or suspected carcinogens by NTP, IARC or OSHA. Plasticizer ingredient in R-2B is listed by the State of California as known to cause cancer.

Reproductive Toxicity: Components are not known or suspected reproductive toxins.

Specific Target Organ Toxicity: No data available

12. Ecological Information

Ecotoxicity: Not expected to be dangerous to aquatic organisms.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, regional and national regulations.

For U.S.: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

14. Transport Information

Not regulated for transport in any mode.

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

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not Hazardous

Section 313 Toxic Chemicals: 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 of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: With the exception of PolyFoam R-2 Part B, these products do not contain substances known to the State of California to cause cancer and/or reproductive harm. PolyFoam R-2 Part B: "WARNING: This product contains a chemical known to the State of California to cause cancer." (This warning, required by CA, refers to a plasticizer that is not considered to be a hazardous substance under GHS.)

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 or professional use only.

SDS Revision Notes: New GHS classification and format.

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.