

## 1. Identification

Product Identifier: **PolyFoam F-3 Flexible Casting Foam Part B**  
**PolyFoam F-5 Flexible Casting Foam Part B**

Product Code(s): F3B, F5B

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](mailto:sds@polytek.com)

## 2. Hazards Identification

### GHS Classification:

Toxic to Reproduction Category 1B

Label Elements: Danger



Contains Dibutyltin dilaurate (<0.3%)

### Hazard Phrases

H360 May damage fertility or the unborn child.

### Precautionary Phrases

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves, protective clothing, eye protection, and face protection.

P308+313 If exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

**Supplemental Information:** May cause skin and eye irritation.

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 #	%
Dibutyltin dilaurate	77-58-7	<0.3
Other 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 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, foam, 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:** Only applicable limit is for:

Tin, organic compounds	0.1 mg/m <sup>3</sup> OSHA PEL
	0.1 mg/m <sup>3</sup> TWA ACGIH TLV
	0.2 mg/m <sup>3</sup> STEL ACGIH TLV

Based on the low concentration and low vapor pressure tin compound, it is judged to be unlikely that this limit could be reached.

**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:** Off-white 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:** F-3B – 4720 cP; F-5B – 1760 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 irritation.

**Skin Contact:** May cause irritation.

**Inhalation:** Vapors or mists may cause mild respiratory irritation.

**Ingestion:** Single oral dose toxicity is low. Harmful effects from ingesting product are not known.

**Chronic Health Effects:** None known.

**Acute Toxicity Values:** For dibutyltin dilaurate: Oral rat LD50: 175 mg/kg; Dermal rat LD50 >2, mg/kg. For polyol (majority) 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.

**Reproductive Toxicity:** Dibutyltin dilaurate (<0.3%) is classified as a reproductive toxin.

**Specific Target Organ Toxicity:** No data available

## 12. Ecological Information

**Ecotoxicity:** Not classified as dangerous to aquatic organisms.

**Persistence and Degradability:** No data available.

**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:** None

**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:** These products do not contain substances known to the State of California to cause cancer and/or reproductive harm.

## 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.