

## 1. Identification of the Preparation and Company

Trade Name: **PolyFoam Flexible & Rigid Casting Foams Part B**  
Product Code: F-3B, F-5B, R-2B, R-5B, R-8B  
Use of Preparation: Part B of two-part liquid polyurethane flexible foam system  
Chemical Class: Poly (oxyalkylene) polymers  
Company: Polytek Development Corp.  
55 Hilton St.  
Easton, PA 18042 USA  
Telephone: 610-559-8620  
[csalisbury@polytek.com](mailto:csalisbury@polytek.com)  
EU Only Representative: Stewardship Solutions  
Green Lowe Farm, Shawclough Rd  
Waterfoot, Rossendale, Lancs.BB4 9SA, UK  
Telephone: (+44) 01706 220901  
Emergency Telephone: 610-559-8620 (9 am to 5 pm EST)

## 2. Hazards Identification

Not a hazardous substance according to EC Directives 67/548/EEC or 1999/45/EC.

## 3. Composition/Information on Ingredients

Chemical Name	CAS Number/ EINECS Number	% of Product	Hazard Classification
Poly (oxyalkylene) polymers	Mixture	95-100	None
Water		0-5	None

## 4. First-Aid Measures

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention if symptoms persist.  
SKIN CONTACT: Wipe off. Remove contaminated clothing and/or shoes. Wash with soap and warm water.  
INHALATION: Remove to fresh air. Seek medical attention if symptoms develop.  
INGESTION: Seek medical attention. Do not induce vomiting unless so directed by a medical professional.

## 5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or water fog or fine spray.  
THERMAL DECOMPOSITION PRODUCTS: May include carbon monoxide, carbon dioxide, and other organic compounds.  
OTHER INFORMATION: Firefighters wear full-face positive pressure breathing apparatus and full chemical protective suit. Violent steam generation or eruption may occur upon application of water stream to hot product.

## 6. Accidental Release Measures

Clear non-emergency personnel from the area. Avoid contact with sources of ignition. Spill response personnel wear protective clothing to prevent eye and skin contact (see Section 8). Contain spill to minimize environmental contamination. Absorb spilled material with an absorbent

such as sand or earth. Collect and containerize material. Dispose of contaminated materials in accordance with applicable regulations.

## 7. Handling and Storage

HANDLING: Avoid breathing vapor. Use in adequately ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke in work area. Wash hands after handling. See also Section 8 of MSDS.

STORAGE: Store at room temperature in a dry, well-ventilated area. Do not store above 40°C. Store in tightly closed container.

## 8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust.

MAXIMUM AIRBORNE EXPOSURE LIMITS:

None established for constituents in formulation.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Since product is used with PolyFoam Part A, maintain airborne concentrations below established limits for Part A through ventilation and procedural controls. If air concentrations may exceed exposure limits, use a respirator equipped with organic vapor cartridges and particulate filters. If concentrations are unknown or in emergencies, use positive-pressure air-supplied respirator.

HAND: Wear chemical-resistant gloves conforming to EN374. Rubber gloves (such as butyl, nitrile or latex) are recommended.

EYES: Wear chemical safety glasses or goggles conforming to EN166.

SKIN: Wear chemical-resistant apron. Remove contaminated clothing immediately.

## 9. Physical & Chemical Properties

APPEARANCE: Yellow to amber liquid

ODOUR: Mild polyol odour

pH: Not applicable

BOILING POINT: >200°C (estimated)

FLASH POINT: >200°C (estimated)

AUTOFLAMMABILITY: No data available

EXPLOSIVE PROPERTIES: Not explosive

OXIDISING PROPERTIES: Not an oxidizer

VAPOUR PRESSURE: <0.1 mm Hg @ 20°C

RELATIVE VAPOUR DENSITY (Air=1): Not determined

SPECIFIC GRAVITY: 1.1 @ 25°C

SOLUBILITY IN WATER: Soluble in water

SOLUBILITY IN SOLVENT: Soluble in alcohols

## 10. Stability and Reactivity

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Temperatures <24°C and >40°C. Avoid moisture.

INCOMPATIBILITIES: Avoid contact with oxidizers, acids and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS: Depends on temperature, air supply and presence of other materials: may include carbon monoxide and carbon dioxide.

## 11. Toxicological Information

SKIN: Prolonged skin contact may cause skin irritation.

EYES: May cause eye irritation.

INHALATION: At room temperature, vapors are minimal due to low volatility. Heating or spraying may cause vapor or aerosols in sufficient concentration to cause respiratory irritation.

INGESTION: Ingestion may induce harmful gastrointestinal effects.

CHRONIC EFFECTS: None known.

CARCINOGENICITY: Not expected to be carcinogenic.

DEVELOPMENTAL TOXICITY: Not expected to cause developmental toxicity.

## 12. Ecological Information

ECOTOXICITY: No formal data is available; but product should not be allowed to enter watercourses based on data available for similar chemicals.

## 13. Disposal Considerations

Dispose of in accordance with all applicable regulations.

## 14. Transport Information

NOT A HAZARDOUS MATERIAL FOR SHIPPING PURPOSES BASED ON *UNITED NATIONS RECOMMENDATIONS ON THE TRANSPORT OF DANGEROUS GOODS*.

UN NUMBER: Not applicable;

SHIPPING NAME: Not applicable

## 15. Regulatory Information

HAZARD SYMBOL: None

REACH: Substances in this formulation for which export is >1 tonne/yr to EU were pre-registered with ECHA prior to Dec. 1, 2008

## 16. Other Information

RISK PHRASES:

None

SAFETY PHRASES:

S24/25 – Avoid contact with the skin and eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 -After contact with skin, wash immediately with water or industrial hand cleaner

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

OTHER PHRASES:

Keep containers tightly closed when not in use

TRAINING ADVICE: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of control measures including protective equipment.

RECOMMENDED USES AND RESTRICTIONS: This product is intended for industrial use only. Further details of intended applications and guidance relating to technical aspects of use are contained in the relevant Technical Bulletin/Advice sheet.

REFERENCES:

Manufacturers' SDSs and Technical Bulletins

**REVISION INDICATOR:** First EU version.

**DISCLAIMER:** The information contained herein has been compiled from data that is, to the best of our knowledge, valid at the date of issue. However, as the conditions under which the product is used are not under our control, the user is responsible to ensure that a risk assessment is undertaken in accordance with current legislation and that all necessary precautions are employed.