

1. Identification of the Mixture and of the Company

Trade Name: **EasyFlo 100 FR Liquid Plastic Part B**
Product Code: EasyFlo 100FRB
Use of Preparation: Part B of two-part liquid polyurethane casting resin
Chemical Class: Polyol resin
Company: Polytek Development Corp.
55 Hilton St.
Easton, PA 18042 USA
Telephone: 610-559-8620
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)

Section 2. Hazards Identification

HAZARD CLASSIFICATION: Harmful, Xn

HEALTH HAZARDS:

Harmful if swallowed

Irritating to eyes and skin



Section 3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number/ EINECS Number</u>	<u>% of Product</u>	<u>Hazard Classification</u>
Hydroxy-terminated ethylenediamine	Proprietary	50-70	Xi – R36/38
Proprietary fire retardant	Proprietary	30-40	Xn, – R22
Isoparaffinic hydrocarbon	90622-57-4	5-15%	Xn – R65, R66, R53

Section 4. First Aid Measures

EYE CONTACT: Flush with copious amount of water. Seek medical attention if irritation persists.

SKIN CONTACT: Wash with industrial cleanser or soap and warm water.

INHALATION: Remove to fresh air. Seek medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Seek medical attention.

Section 5. Fire Fighting Measures

FLASH POINT: >100°C (estimated)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or water spray.

THERMAL DECOMPOSITION PRODUCTS: May include carbon monoxide, carbon dioxide, nitrogen oxides, and other unidentified compounds.

PROTECTIVE EQUIPMENT: Firefighters wear full-face positive pressure breathing apparatus and full chemical protective suit.

Section 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 inhalation and eye and skin contact (see Section 8). Contain spill to minimize environmental contamination. Absorb spilled material with a sorbent such as sand or earth. Collect and containerize material. Dispose of contaminated materials in accordance with the Environmental Protection Act of 1990.

Section 7. Handling and Storage

HANDLING: Use in adequately ventilated area. Avoid skin and eye contact. 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 well-ventilated area. Do not store above 40°C. Store in tightly closed container.

Section 8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations below exposure limits.

MAXIMUM AIRBORNE EXPOSURE LIMITS: None Apply

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: In the absence of good ventilation, use a respirator equipped with organic vapor cartridges. Respirators should conform to the Standard EN405.

HAND: Chemical protective gloves conforming to EN 374 are recommended.

EYES: Eye protection conforming to EN 166 is recommended.

SKIN: When handling bulk quantities of this material, chemical protective clothing conforming to EN 368 is recommended.

Section 9. Physical Characteristics

APPEARANCE: Clear pink to yellow liquid

ODOUR: Slight

pH: Not determined

VISCOSITY: 140 cP

BOILING POINT: Not determined

MELTING POINT: Not applicable

FLASH POINT: >150°C (estimated)

AUTOFLAMMABILITY: No data available

EXPLOSIVE PROPERTIES: Not explosive

OXIDISING PROPERTIES: Not an oxidizer

VAPOR PRESSURE: < 1 mm Hg @ 25°C

RELATIVE VAPOUR DENSITY (Air=1): No data

SPECIFIC GRAVITY: 1.1 @ 25°C

SOLUBILITY IN WATER: Slight

SOLUBILITY IN SOLVENT: Soluble in most low boiling solvents

Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Excessive temperatures and moisture

INCOMPATIBILITIES: Strong oxidising agents

HAZARDOUS DECOMPOSITION PRODUCTS: May include carbon monoxide, carbon dioxide, nitrogen oxides, and other unidentified compounds.

Section 11. Toxicological Information

SKIN: Contact with skin causes irritation consisting of reversible reddening and swelling.

EYES: Contact with eyes causes moderate irritation consisting of redness, swelling and mucous discharge to the conjunctiva, which would be expected to clear within 48 hours. No corneal involvement or visual impairment would be expected.

INHALATION: Inhalation of the mist from this product may cause irritation to the mucous membranes and upper respiratory tract. This irritation is expected to be transient with no permanent injury occurring.

INGESTION: No data is available on the effects of acute ingestion of this product. However, ingestion may cause gastrointestinal discomfort with any or all of the following symptoms:

irritation to the mouth and esophagus; nausea, vomiting, lethargy and/or diarrhea.

CHRONIC EFFECTS: None known.

Section 12. Ecological Information

ECOTOXICITY: No formal data is available.

Section 13. Disposal Considerations

Dispose according to local and national regulations

Section 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

Section 15. Regulatory Information

HAZARD SYMBOL: Xn, Harmful

RISK PHRASES:

R22: Harmful if swallowed

R36/38: Irritating to eyes and skin

SAFETY PHRASES:

S24: Avoid contact with the skin

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

S 37: Wear suitable gloves

S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label

OTHER PHRASES:

Keep containers tightly closed when not in use.

See information supplied by the manufacturer.



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

Section 16. Other Information

Hazard symbols and R-phrases for hazardous components in section 3:

Xi, Irritant

Xn, Harmful

R22: Harmful if swallowed

R36/38: Irritating to eyes and skin

R65: Harmful: may cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking

R53: May cause long-term adverse effects in the aquatic environment

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.

REVISION INDICATOR: First EU-version SDS. Version 1.0.

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.