

1. Identification

Product Identifier: **Poly 15-3 Liquid Plastic Part B**
Poly 15-3X Liquid Plastic Part B

Product Code(s): 153B, 153XB

Use: Component for Liquid Polyurethane Casting Plastic. For Industrial/Professional use only.

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

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
 Acute Toxicity (oral) – Category 4
 Skin Sensitization – Category 1
 Carcinogenicity – Category 2

Label Elements: Warning



Hazard Statements

H227 Combustible liquid.
 H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.

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, vapors, mists, or sprays.
 P264 Wash hands and contacted areas thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves, protective clothing, and eye protection/face protection.
 P301+P317 IF SWALLOWED: Get medical help.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P318 IF exposed or concerned, get medical advice.
 P330 Rinse mouth.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 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 Part A before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Polyether polyol	Trade secret	30-40
Solvent, naphtha (petroleum distillates)	64742-94-5	0-15

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below concentration/cut-off thresholds.

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 develops or persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists.

Inhalation: If breathing is difficult, remove person to fresh air and keep comfortable. Get medical attention if you feel unwell.

Ingestion: If swallowed, rinse mouth. Induce vomiting only with medical supervision.

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

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: Combustible liquid. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. 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 fumes, vapors, mists, or sprays. 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: For Petroleum distillates:
 OSHA PEL 500 ppm TWA.

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: Light tan opaque liquid
Odor: Petroleum
Odor Threshold: No data available
pH: Not applicable
Melting Point: No data available

Boiling Point: No data available
Flash Point: 69°C (155°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: 1.5 @ 25°C
Solubility: Insoluble in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 3,000-3,600 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 and acids.
Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon.

11. Toxicological Information

Eye Contact: May cause eye irritation.
Skin Contact: May cause skin irritation. May cause an allergic skin reaction.
Inhalation: Vapors or mists may cause mild respiratory irritation.
Ingestion: Harmful if swallowed.
Chronic Health Effects: May cause an allergic skin reaction.
Acute Toxicity Values: For Polyether Poly:
Oral LD₅₀ (rat): 500-2,000 mg/kg
Dermal LD₅₀ (rabbit): >2,000 mg/kg
Germ Cell Mutagenicity: Components are not known mutagens.
Carcinogenicity: Components are classified as carcinogens.
Reproductive Toxicity: Components are not known or suspected reproductive toxins.
Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available. 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, 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: Fire, Chronic, Acute
Section 313 Toxic Chemicals: These products do not contain 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 are listed on the TSCA Inventory.

STATE REGULATIONS:

California Proposition 65:
For 15-3 Part B: WARNING: This product can expose you to chemicals including Cumene, Napthalene, Ethyl benzene, Benzene and Toluene, which are known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov
For 15-3X Part B: WARNING: This product can expose you to chemicals including Diisononyl phthalate, Cumene, Napthalene, Ethyl benzene, Benzene and Toluene, which are 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 or professional use only.

SDS Revision Notes: Updated: February 10, 2021; Updated GHS Classification to combustible, June 6, 2019; May 5, 2017/Feb. 10, 2016 - Revised GHS classification based on new information from raw material suppliers. New product combination (separated from 15-6B and 15-8B owing to different hazard classification).

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.