

## 1. Identification

**Product Identifier:** Poly LiteCast Liquid Plastic Part B  
**Product Code(s):** LCB  
**Use:** Component for Liquid Polyurethane Casting Plastic. For Industrial/Professional use only. Not for use in children's toys that can be placed in the mouth.  
**Manufacturer:** Polytek Development Corp.  
 55 Hilton St., Easton, PA 18042 USA  
**Phone Number:** +1 610-559-8620 (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:**  
 Acute Toxicity – Oral Category 4  
 Eye Irritation Category 2A

**Label Elements:** Warning



Contains alkoxyolated amine polyol blend

### Hazard Phrases

H302 Harmful if swallowed.  
 H319 Causes serious eye irritation.

### Precautionary Phrases

P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear eye protection/face protection.  
 P284 In case of inadequate ventilation, wear respiratory protection.  
 P301+312 IF SWALLOWED: Call a Poison Center or doctor if you feel unwell.  
 P330 Rinse mouth.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+313 If eye irritation persists: Get medical attention.  
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

**Supplemental Information:** May cause skin 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 #	%
Alkoxyolated amine polyol blend	67800-94-6, 102-60-3	52
Other ingredients are not classified as health and/or environmental hazards, and/or are present below cut-off/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 develops and persists.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms develop and persist.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

**Most Important Symptoms/Effects:** Eye irritation. May be harmful if swallowed.

**Indication of Immediate Medical Attention/Special Treatment:** Get immediate medical attention if serious eye irritation occurs.

## 5. Fire-Fighting Measures

**Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

**Specific Hazards:** Not classified as flammable or combustible. Product will burn under fire conditions.

**Special Protective Equipment & Precautions for Fire-Fighters:** Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed 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 and avoid breathing vapors. Caution – spill area may be slippery.

**Methods and Materials for Containment and Cleanup:** Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment. Report spills and releases as required to appropriate authorities.

## 7. Handling and Storage

**Safe Handling:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep container closed when not in use.

**Safe Storage:** Store indoors at 60-95°F (15-35°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits:** None Established

**Ventilation:** Use with adequate general or local exhaust ventilation to minimize exposure.

**Respiratory Protection:** If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

**Skin Protection:** Wear impervious gloves, such as butyl rubber or nitrile rubber.

**Eye Protection:** Wear chemical safety glasses or goggles.

**Other Protective Measures:** Wear protective clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

## 9. Physical and Chemical Properties

**Appearance:** Off-white to tan, opaque liquid

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** Not applicable

**Melting Point:** No data available

**Boiling Point:** No data available  
**Flash Point:** : >100°C/212°F  
**Evaporation Rate:** No data available  
**Upper/Lower Flammability Limits:** No data available  
**Vapor Pressure:** No data available  
**Vapor Density:** No data available  
**Relative Density:** 0.73 @ 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:** 8064 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:** Avoid excessive heat.  
**Incompatible Materials:** Avoid contact with strong oxidizers.  
**Hazardous Decomposition Products:** Thermal decomposition will generate oxides of carbon and nitrogen, organic acids, and other toxic organic compounds.

## 11. Toxicological Information

**Eye Contact:** Causes serious eye irritation.  
**Skin Contact:** May cause mild irritation.  
**Inhalation:** Vapor and mists may cause mild respiratory irritation.  
**Ingestion:** Harmful if swallowed. Ingesting large amounts may cause adverse gastrointestinal effects.  
**Chronic Health Effects:** No data available.  
**Acute Toxicity Values:** No data available.  
**Skin Corrosion/Irritation:** Components are not classified as skin irritants.  
**Eye Damage/Irritation:** Causes serious eye irritation.  
**Respiratory Irritation:** Components are not classified as respiratory irritants.  
**Respiratory Sensitization:** Components are not classified as respiratory sensitizers.  
**Skin Sensitization:** Components are not classified as skin sensitizers.  
**Germ Cell Mutagenicity:** Components are not classified as mutagens.  
**Carcinogenicity:** Components are not classified as carcinogens.  
**Reproductive Toxicity:** Components are not classified as reproductive toxins.  
**Specific Target Organ Toxicity:**  
Single Exposure: No data available  
Repeat Exposure: No data available.

## 12. Ecological Information

**Ecotoxicity:** Not classified as hazardous to the aquatic environment.  
**Persistence and Degradability:** Not readily biodegradable.  
**Bioaccumulative Potential:** Not expected to bioaccumulate.  
**Mobility in Soil:** No data available.

## 13. Disposal Considerations

Dispose according to local, state and federal regulations.  
For U.S.: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

## 14. Transport Information

Not regulated as hazardous/dangerous for transport by any mode.  
**Emergency Shipping Information:** CHEMTREC, 800-424-9300 or +1-703-527-3887

## 15. Regulatory Information

### U.S. FEDERAL REGULATIONS:

**CERCLA 103 Reportable Quantity:** This product is 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

**Section 311/312:** Acute Health

**Section 313 Toxic Chemicals:** This product 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 in this product are listed on TSCA.

### STATE REGULATIONS:

**California Proposition 65:** No CA Proposition 65 warning is required.

## 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/professional use only.

**SDS Revision Notes:** New GHS classification and format; Sept. 11, 2014. Supersedes Aug. 8, 2011.

**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.