

Development Corp.

1. Chemical Product and Company Identification

Polytek Development Corp., 55 Hilton St., Easton, PA 18042, 610-559-8620

Product Name: **POLY-OPTIC® 14R**

Chemical Family: Polyol and organic acid

2. Hazardous Constituents

<u>Ingredient/CAS #</u>	<u>OSHA/ACGIH Exposure Limits</u>
Proprietary polyol	None established
Proprietary organic acid	None established

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Skin or eye contact, ingestion

EYE: Causes eye irritation, discomfort or pain, excess blinking or tear production, redness and swelling of the conjunctiva, and possible chemical burns of the eye.

SKIN: Causes slight skin irritation with itching and redness. Prolonged contact may cause severe irritation with pain, swelling, redness and possible tissue destruction. Prolonged contact may lead to absorption

INGESTION: Moderately toxic by ingestion. Aspiration into to lungs while swallowing or vomiting can result in lung injury. Causes severe irritation of the mouth throat, esophagus and stomach.

INHALATION: May cause respiratory irritation.

CARCINOGENICITY: Not designated as a carcinogen by NTP, IARC, or OSHA.

CHRONIC EFFECTS: For one ingredient, a laboratory animal feeding study resulted in increased liver weight.

4. First Aid Measures

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash with soap and water for 15 minutes. Seek medical attention if irritation develops.

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

INGESTION: If alert, drink water or milk to dilute. Do NOT induce vomiting. Seek medical attention.

5. Fire Fighting Measures

FLASHPOINT: >250°F (estimated)

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, or water fog.

HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, and unidentified toxic and irritating compounds.

OTHER INFORMATION: Firefighters wear protective gear and self-contained breathing apparatus (SCBA). A direct stream of water or foam into hot product may cause frothing and increase fire intensity.

6. Accidental Release Measures

Clear non-emergency personnel from the area. Remove sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with non-reactive absorbent such

as sawdust, vermiculite, or sand. Collect and containerize spill material. Dispose of in accordance with federal, state and local regulations.

7. Handling and Storage

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

STORAGE: Store indoors. Do not exceed 120°F. Store in original container tightly closed.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to minimize airborne concentrations.

PERSONAL PROTECTIVE EQUIPMENT: Wear eye protection (e.g., safety glasses or chemical splash goggles), protective clothing, and impermeable gloves (e.g., nitrile or PVC-coated).

RESPIRATORY PROTECTION: In the absence of good ventilation, or if vapors or mists are generated (e.g., through heating or spraying), use respirator equipped with organic vapor cartridges. In emergency situations, use SCBA.

9. Physical Characteristics

APPEARANCE: Clear liquid.

VAPOR PRESSURE: < 0.1 mm Hg @ 25°C

ODOR: Pungent

SOLUBILITY IN WATER: Negligible

BOILING POINT: > 400 °F (estimated)

SPECIFIC GRAVITY: ~1.0 @ 25°C

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid excessive heat and exposure to sunlight.

INCOMPATIBILITY WITH OTHER MATERIALS: Amines, ammonia, strong alkalis, and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Potentially oxides of carbon, organic acids, and other unidentified irritating or toxic compounds

11. Regulatory and Other InformationCOMMUNITY RIGHT-TO-KNOW: This product does not contain any compounds above the *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

DISPOSAL: Upon disposal, this product is not a RCRA hazardous waste as defined in 40 CFR 261. Dispose of in accordance with state and local regulations.

TRANSPORT: Not a hazardous material for shipping purposes based on *United Nations Recommendations for the Transport of Dangerous Goods* and 49 CFR Part 171.

HMIS: Health=2; Flammability=1; Reactivity=0; PPE=C

EMERGENCY SHIPPING INFORMATION: Call CHEMTREC, 800/424-9300.

REVISION INDICATOR: Minor format changes.

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.