

## 1. Chemical Product and Company Identification

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

Product Name: **POLY-OPTIC® 14-SERIES PART B (1410, 1411, 1420, 1470)**

Chemical Family: Polyol Blend

## 2. Hazardous Constituents

<u>Ingredient/CAS #</u>	<u>Exposure Limits</u>
Polyalkyl polyol	None
Aryl mercury compound (≤0.5%)	ACGIH TLV 0.1 mg/m <sup>3</sup> TWA OSHA PEL 0.1 mg/m <sup>3</sup> (Ceiling)

## 3. Health Hazards

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

EYE: May cause eye irritation.

SKIN: Exposure may cause skin irritation and/or redness.

INGESTION: Toxic by ingestion, owing to mercury content. May cause gastrointestinal discomfort if ingested.

INHALATION: At room temperature, vapors are minimal and material is not expected to be an inhalation hazard. Vapors or aerosols (e.g., generated during heating or spraying) may cause respiratory irritation.

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

CHRONIC EFFECTS: Contains <0.5% of an aryl mercury compound; similar mercury compounds have been found to cause adverse reproductive effects. Long-term overexposure to mercury has been associated with central nervous system and kidney disorders. 1420B contains a proprietary polyol that caused birth defects in laboratory rat studies.

## 4. First Aid Measures

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

SKIN CONTACT: Wipe off. Wash with soap and plenty of warm water. Seek medical attention if irritation develops.

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

INGESTION: If alert, drink water to dilute, and then consult a physician.

## 5. Fire Fighting Measures

FLASH POINT: >300°F (estimated)

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

HAZARDOUS COMBUSTION PRODUCTS: Likely to include carbon monoxide, carbon dioxide, mercury vapor, 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. Cool fire-exposed containers with water spray.

## 6. Accidental Release Measures

Clear non-emergency personnel. Put on protective equipment (see Sect. 8). 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 (see Sect. 11).

## 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.

STORAGE: Store indoors. Do not exceed 100°F. Store in original container tightly closed.

## 8. Exposure Controls/Personal Protection

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

PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles), protective clothing and PVC-coated/neoprene gloves are recommended.

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

## 9. Physical Characteristics

APPEARANCE: Colorless to slightly yellow liquid

ODOR: Mild odor

BOILING POINT: No data

SOLUBILITY IN WATER: Negligible

VAPOR PRESSURE: Negligible

SPECIFIC GRAVITY: ~1.05 @ 25°C

## 10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid moisture and excessive temperatures.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizers

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

## 11. Regulatory and Other Information

COMMUNITY RIGHT-TO-KNOW: This product contains the following Section 313 ingredient:

<u>Ingredient</u>	<u>CAS #/Category</u>	<u>Weight %</u>
Mercury Compound	N458	≤0.5

DISPOSAL: Upon disposal, this product (uncured) is a characteristic RCRA hazardous waste (D009 - owing to mercury content) as defined in 40 CFR 261. Cured materials may be RCRA-regulated for mercury. Dispose of in accordance with federal, state and local regulations.

CA PROPOSITION 65: "WARNING: This product contains chemicals known to the State of California to cause birth defects or other reproductive harm." (Traces of mercury and toluene)

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

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

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

REVISION INDICATOR: Several minor modifications and added 1411B.

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.