1. Identification

Product Identifier: **Poly-Optic® 1420 Clear Casting Resin Part B**
Product Code(s): 1420B
Use: Component for Polyurethane Clear Casting Resin. For Industrial/Professional use only.
Manufacturer: Polytek Development Corp.
55 Hilton St., Easton, PA 18042
Phone Number: 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

2. Hazards Identification

GHS Classification:
Serious Eye Damage – Category 1

Label Elements: Danger

Hazard Statements:
H318 Causes serious eye damage.

Precautionary Statements:
P280 Wear eye protection.
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 Get medical help.

Supplemental Information: Read and understand the hazard information on part A before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Phenylmercuric acetate	62-38-4	≤0.5
Ethylhexylene glycol	94-96-2	30-40
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 persists.
Inhalation: Remove person to fresh air. Get medical attention if symptoms persist.
Ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.
Most Important Symptoms/Effects: May cause mild eye and skin irritation. May be harmful if swallowed.
Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention is not required.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use direct water stream into hot product, since it may cause violent steam generation or eruption.
Specific Hazards: Not classified as flammable. 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 ignition sources. Clear non-emergency personnel from the area. Wear protective equipment 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 to appropriate authorities as required.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with the 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 temperatures between 15 and 35°C (60 and 95°F). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Phenylmercuric acetate (CAS 62-38-4):

OSHA PEL	0.01 mg/m^3 TWA
ACGIH TLV	0.10 mg/m^3 TWA

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.
Respiratory Protection: In the absence of good ventilation, use an approved respirator with organic vapor cartridges. 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 rubber (e.g., butyl or nitrile) gloves.
Eye Protection: Wear chemical safety glasses/goggles.
Other Protective Measures: Wear impervious 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: Liquid, clear
Odor: Mild
Odor Threshold: No data available
pH: Not applicable
Melting Point: No data available
Boiling Point: No data available
Flash Point: No data available
Evap. Rate: No data available
Flamm. Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: 1.05 @ 25°C
Solubility: Negligible in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 176-1500 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 mercury compounds.

11. Toxicological Information

Eye Contact: May cause mild irritation.
Skin Contact: May cause mild irritation.
Inhalation: May cause mild irritation.
Ingestion: No data available
Chronic Health Effects: Not fully determined, but mercury is known to cause harm to the central nervous system and kidneys.
Acute Toxicity Values: Not acutely hazardous.
Respiratory Sensitization: Components are not respiratory sensitizers.
Skin Sensitization: Components are not skin sensitizers.
Germ Cell Mutagenicity: Components are not known mutagens.
Carcinogenicity: Components are not known carcinogens.
Reproductive Toxicity: Components are not known reproductive toxins.
Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: No data available.
Persistence and Degradability: No data available.
Bioaccumulative Potential: Bioaccumulation of mercury is possible.
Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state and federal regulations. In the U.S., 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 owing to mercury content.

14. Transport Information

Not regulated for transport by 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: RQ for Phenylmercuric acetate is 100 lb. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.
SARA TITLE III Section 311/312: Chronic Health
Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:
Phenylmercury acetate (CAS 62-38-4) ≤0.5%
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: Components in this product are listed on TSCA.

STATE REGULATIONS:
California Proposition 65: WARNING: This product contains Phenylmercuric acetate (CAS 62-38-4), a chemical known to the State of California to cause 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 GHS: February 24, 2020

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.