

1. Identification

Product Identifier: **PolyColor Yellow**
 Product Code(s): PCYELLOW
 Use: Colorant for Liquid Polyurethane Rubbers and Plastics. 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:

Single target organ toxicity-repeated exposure (oral) Category 2 (Kidney)

Chronic aquatic toxicity Category 3

Label Elements: Warning



Hazard Phrases

H373 May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Phrases

P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P273 Avoid release to environment.
 P314 Get medical advice/attention if you feel unwell.
 P501 Dispose of contents and container in accordance with local, regional and national regulations.

Supplemental Information: Read and understand the hazard information on Liquid Rubber or Liquid Casting Plastic components before use.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Aromatic amino polyol-Yellow	Unknown	70-90
Diethylene Glycol	111-46-6	1-5

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: Wash contact area thoroughly with soap and water. Get medical attention if irritation develops and persists.

Inhalation: If breathing is difficult, remove person to fresh air and keep comfortable. If experiencing respiratory symptoms: Call a doctor.

Ingestion: If swallowed, rinse mouth. Do not give milk. Induce vomiting only with medical supervision.

Most Important Symptoms/Effects: May cause damage to organs through prolonged or repeated exposure if swallowed.

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: Not classified as flammable or combustible. 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: Wear 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 material. Collect and containerize material. Dispose of residue in accordance with state and local regulations.

7. Handling and Storage

Safe Handling: 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 Diethylene Glycol: US WEEL TLV 10 mg/m³

Engineering Controls: Provide general exhaust to minimize airborne concentrations.

Personal Protective Equipment: Wear eye protection (e.g., chemical safety glasses/goggles) and protective gloves (e.g., nitrile rubber).

Other Protective Measures: None.

9. Physical and Chemical Properties

Appearance: Yellow liquid

Odor: Mild

Odor Threshold: No data available

pH: Not applicable

Melting Point: No data available

Boiling Point: >200°C

Flash Point: 284°C (543°F) (Cleveland Open Cup)

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.1 @ 25°C

Solubility: Partly Miscible

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: No data available.

Incompatible Materials: No data available.

Hazardous Decomposition Products: Thermal decomposition will generate oxides of carbon.

11. Toxicological Information

Eye Contact: May cause mild eye irritation.

Skin Contact: May cause mild skin irritation.

Inhalation: Vapors or mists may cause mild respiratory irritation.

Ingestion: Not fully determined; but ingesting small amounts long-term may lead to chronic effects described below.

Chronic Health Effects: Based on laboratory animal studies, ingredients may cause damage to the kidneys through prolonged exposure.

Acute Toxicity Values:

Acute Oral Toxicity: Estimate >5000mg/kg

Aromatic amino polyol-Yellow: Oral rat LD50 >5000 mg/kg
OECD Test Guideline 401

Diethylene Glycol: Oral human LD0 1 g/kg

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not listed as known or suspected carcinogens by NTP, IARC or OSHA.

Reproductive Toxicity: Components are not known or suspected reproductive toxins.

Specific Target Organ Toxicity: Single Exposure: No data available.
Repeat Exposure: May cause damage to organs (kidney) through prolonged or repeated exposure if swallowed.

12. Ecological Information

Ecotoxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways, or ditches with chemical or used container.

Dispose according to local, regional and national regulations.

U.S.: Upon disposal, these products are not 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.

SARA TITLE III:

Hazard Category for Section 311/312: Chronic health hazard.

Section 313 Toxic Chemicals: 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 are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain substances known to the State of California to cause cancer and/or reproductive harm.

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: New GHS hazard info; removed from PolyColor grouping.

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.