

1. Chemical Product and Company Identification

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

Product Name: **POLYCOAT**

Chemical Family: Resin Solution in Aliphatic Hydrocarbon

2. Hazardous Constituents

Ingredient/CAS #	Exposure Limits
Aliphatic Hydrocarbon / 64741-66-8	OSHA PEL 500 ppm*
* PEL for "Petroleum distillates."	

3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin or eye contact

EYE: Causes eye irritation. May be damaging to eye tissue.

SKIN: May cause irritation and dermatitis. Can be absorbed through the skin and lead to central nervous system effects.

INGESTION: May cause drowsiness, anemia, nausea and vomiting.

INHALATION: Vapors may be irritating to nose, throat and respiratory tract, and may cause headaches, dizziness and other central nervous system effects.

SYMPTOMS OF OVEREXPOSURE: Irritation as noted above; irritation of the respiratory or digestive system, signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, and fatigue), and shortness of breath.

CARCINOGENICITY: To the best of our knowledge, this product does not contain constituents at concentrations exceeding 0.1% that are listed as carcinogens by IARC, NTP, or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with preexisting eye, skin, and respiratory disorders may be more susceptible to symptoms of exposure to this product.

4. First Aid Measures

EYE CONTACT: Move individual to fresh air. Flush with water for 15 minutes. Seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and warm water. If symptoms develop, seek medical attention.

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration, then oxygen if needed. Seek medical attention.

INGESTION: Do not induce vomiting or give anything by mouth. Seek medical attention.

5. Fire Fighting Measures

FLASH POINT: 73°F (closed cup) Flammable Limits: Not determined

FIRE HAZARDS: Do Not use near ignition source, spark, or open flame.

EXTINGUISHING MEDIA: Dry chemical, foam or water fog; use water to keep containers cool.

OTHER INFORMATION: Firefighters wear SCBA and full-body protective suit.

6. Accidental Release Measures

Extinguish sources of ignition. Stop or reduce discharge if it can be done safely. Contain spill to minimize environmental contamination. Absorb material with inert absorbent and place in container for disposal. Dispose of in accordance with regulations.

7. Handling and Storage

HANDLING: Avoid breathing vapor and avoid prolonged and repeated contact with skin. Use in well ventilated area. If area is not adequately ventilated, use respiratory protection. Do not eat, drink or smoke in work area; wash hands before undertaking these activities.

STORAGE: Store in a cool, dry, well-ventilated area. Keep away from heat and ignition sources.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust to maintain airborne concentrations below exposure limits.

PROTECTIVE EQUIPMENT: Wear splash goggles or safety glasses, and chemical-resistant gloves (e.g., nitrile rubber).

RESPIRATORY PROTECTION: If engineering controls are not adequate to maintain air concentrations below exposure limits, use NIOSH-approved respirator.

9. Physical Characteristics

APPEARANCE: Clear, pale yellow liquid

ODOR: Paraffinic odor

SOLUBILITY IN WATER: Insoluble

VAPOR DENSITY: >1 (air = 1)

VISCOSITY: no data

VAPOR PRESSURE: ~63 mm Hg @ 68°F

EVAP. RATE: >1 (butyl acetate =1)

SPECIFIC GRAVITY: 0.73 @ 60°F

BOILING POINT: 240-280 °F

% Volatile by Volume: 96

10. Stability and Reactivity

CONDITIONS TO AVOID: Ignition sources, open flames, and temperatures >100°F.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, aldehydes, and other potentially toxic and irritating compounds.

11. Regulatory and Other Information

COMMUNITY RIGHT-TO-KNOW: This product does not contain any compounds above *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

DISPOSAL: Upon disposal, this material is a RCRA hazardous waste (per 40 CFR 261; ignitable D001). Dispose of in accordance with federal, state and local regulations.

TRANSPORTATION: Resin Solution, 3, UN1866, II (For transport in US, up to 5 liters is LTD QTY per Special Provision 149, 49 CFR 172.102)

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

HMS RATING: Health-2, Flammability-3, Reactivity-0

MSDS 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.