

## 1. Chemical Product and Company Identification

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

Product Name: **POLY-SIL® SILICONE FLUID 50 CST**

Chemical Family: Siloxane

## 2. Hazardous Constituents

This product contains no hazardous ingredients as defined under the criteria of OSHA's Hazard Communication Standard (29 CFR 1910.1200).

## 3. Health Hazards

PRIMARY ROUTE(S) OF ENTRY: Eye contact

EYE: May cause mild eye irritation.

SKIN: Not expected to cause adverse effects.

INGESTION: Not expected to cause adverse effects.

INHALATION: No adverse effects are expected from short-term exposures at room temperature.

CHRONIC EFFECTS: None known

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

## 4. First Aid Measures

EYE CONTACT: Flush with plenty of water.

SKIN CONTACT: Wipe off and wash with soap and water.

INHALATION: No emergency care anticipated.

INGESTION: If swallowed, call a physician.

## 5. Fire Fighting Measures

FLASH POINT: >390 °F

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foams, or water fog or spray.

HAZARDOUS COMBUSTION PRODUCTS: May include carbon and silicone oxides and potentially irritating compounds such as formaldehyde.

OTHER INFORMATION: Firefighters wear SCBA. Cool overheated containers with water spray.

## 6. Accidental Release Measures

Clear non-emergency personnel from the area. Extinguish sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with a sorbent such as sawdust, vermiculite, dirt, sand, clay, or cob grit. Collect and containerize material. Cleanup spills promptly and completely to minimize slipping hazard.

## 7. Handling and Storage

HANDLING: Product may become electrostatically charged during transfer. Ground containers during transfer. At temperatures exceeding 302 °F, this product can form formaldehyde (an eye and respiratory irritant and a potential carcinogen). Avoid temperatures >302 °F.

STORAGE: Store in dry place away from heat, sparks, and open flames.

## 8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust.

PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical safety glasses) and protective gloves (e.g., nitrile or PVC-coated) are recommended.

RESPIRATORY PROTECTION: At room temperature, no respiratory protection is needed.

## 9. Physical Characteristics

APPEARANCE: Clear, colorless liquid

ODOR: Mild

pH: Not applicable

BOILING POINT: Not determined

VAPOR PRESSURE: <1 mm Hg @ 20 °C

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 0.97 @ 25°C

VISCOSITY: 50 cSt

## 10. Stability and Reactivity

CONDITIONS TO AVOID: Normally stable. Avoid temperatures in excess of 302 °F since traces of formaldehyde (a potential carcinogen) can be generated.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Depends on temperature, air supply and presence of other materials; likely to form oxides of carbon and silicone, and possibly hydrogen gas and formaldehyde.

## 11. Regulatory and Other Information

COMMUNITY 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 listed or characteristic 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.

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

HMIS: Health=0; Flammability=0; Reactivity=0; PPE=B

MSDS REVISION INDICATOR: Revised in Section 11, HMIS rating for PPE.

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.