

1. Chemical Product and Company Identification

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

Product Name: **PlatSil® 73-Series Part B
73-29B, 73-45B & 73-60B**

Chemical Family: Silicone

2. Hazardous Constituents

Hazardous Ingredient/CAS #	Exposure Limits
Organofunctional-siloxanes	None established
Platinum salt	OSHA PEL and ACGIH TLV 0.002 mg/m ³ (as Pt)
Silica	Not applicable (not present as a dust)
Additional information on ingredients is withheld as a trade secret per 29 CFR 1910.1200(i).	

3. Health Hazards

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

EYE: May cause slight transient eye irritation.

SKIN: Unlikely to cause skin irritation.

INGESTION: Ingestion hazards are not fully known.

INHALATION: At room temp., no harmful effects expected. Vapors from heated material may be hazardous.

CARCINOGENICITY: Contains a carcinogen (silica), but injurious exposure is unlikely since silica is not present as a dust.

4. First Aid Measures

EYE CONTACT: Flush with plenty of water. Seek medical attention if irritation persists.

SKIN CONTACT: Wipe off and wash with soap and plenty of warm water.

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

INGESTION: Seek medical attention. Do not induce vomiting unless so directed by a medical professional.

5. Fire Fighting Measures

FLASH POINT: >250°F (estimated)

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

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

OTHER INFORMATION: Firefighters wear SCBA. Cool fire exposed 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 an inert absorbent such as sawdust, vermiculite, dirt, sand, clay, or cob grit. Collect and containerize material. Spilled material poses a slipping hazard.

7. Handling and Storage

HANDLING: Use in adequately ventilated area. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke in work area. Wash hands after handling. Reseal containers immediately after use. Ground containers to prevent static sparks during transfer. See also Section 8 of MSDS. STORAGE: Store in a cool, dry area. Store in original, closed container.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Provide general and/or local exhaust.

PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles), and rubber or neoprene gloves are recommended.

RESPIRATORY PROTECTION: At room temperature, respiratory protection is not required. In an emergency, use SCBA.

9. Physical Characteristics

APPEARANCE: Tan opaque liquid

VAPOR PRESSURE: Negligible

ODOR: Mild

SOLUBILITY IN WATER: Essentially insoluble

pH: Not determined

SPECIFIC GRAVITY: Approx. 1.3 @ 25°C

BOILING POINT: >500°F (estimated)

VISCOSITY: Approx. 50,000 cP

10. Stability and Reactivity

CONDITIONS TO AVOID: Normally stable, but avoid temperatures in excess of 120 °F.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with acids, alkalis, alcohols, and strong oxidizers.

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.

CA PROPOSITION 65: "WARNING: This product contains a chemical known to the State of California to cause cancer." (Silica, although not likely to be airborne/respirable)

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

HMIS RATING: Health-1; Flammability-1; Physical Hazard-0, PPE - B

NFPA RATING: Health-1; Flammability-1; Reactivity-0

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

MSDS REVISION INDICATOR: Deleted 73-34B and 73-55B and made 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.