

1. Chemical Product and Company Identification

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

Product Name: **PlatSil Part A**
(71-10A, 71-20A, 71-30A, 71-35A, 71-40A)

Chemical Family: Silicone

2. Hazardous Constituents

Hazardous Ingredient/CAS #	Exposure Limits
Organofunctional-siloxanes	None established

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 eye irritation. Corneal injury is unlikely.

SKIN: May cause slight skin irritation.

INGESTION: Essentially non-toxic by ingestion -- may cause gastrointestinal discomfort.

INHALATION: At room temperature, no harmful effects expected. Vapours from heated material may cause respiratory irritation.

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

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: >200°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 SC13A. Application of water stream to hot product may cause frothing and increase fire intensity. This material may produce a floating fire hazard.

6. Accidental Release Measures

Clear non-emergency personnel from the area. Remove sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with an absorbent such as sawdust, vermiculite, dirt, sand, clay, or cob grit. Collect and containerize material.

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. See also Section 8 of MSDS.

STORAGE: Store in a cool, dry area. Store in original, closed container.

8. Exposure Controls/Personal Protection

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ENGINEERING CONTROLS: Provide general and/or local exhaust. At room temperature, special exhaust is not needed. PERSONAL PROTECTIVE EQUIPMENT: Eye protection (e.g., chemical splash goggles), and rubber gloves are recommended.

RESPIRATORY PROTECTION: Under normal conditions, respiratory protection is not required. In emergencies, use SCBA.

9. Physical Characteristics

APPEARANCE: 71-10A and 71-40A are clear and colourless 71-20 is opaque blue, 71-30 is green, 71-35 is blue

ODOUR: Mild

pH: Not determined

BOILING POINT: >200°F

VAPOUR PRESSURE: <1 mm Hg @ 25°C

SOLUBILITY IN WATER: Insoluble SPECIFIC GRAVITY: 1.0 @ 20°C, except 71-20 is approx. 1.1

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. Reaction with powdered metals and metallic oxides may react to form flammable hydrogen gas.

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

SARA SECTION 313: This product does not contain any compounds above the *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

RCRA: Upon disposal, this product is not a listed or characteristic RCRA hazardous waste as defined in 40 CFR 26 1. Dispose of in accordance with state and local regulations.

DOT: Not a hazardous material for shipping purposes based on United Nations Recommendations for the Transport of Dangerous Goods and 49 CFR Part 17 1.

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

MSDS REVISION INDICATOR: Deleted 71-45 and 71-50.

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.

1. Chemical Product and Company Identification

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

Development Corp.

Product Name: **PlatSil Part B**
(71-10B, 71-20B, 71-30B, 71-35B, 71-40B)

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 eye irritation.

SKIN: May cause irritation or redness

INGESTION: May cause gastrointestinal discomfort.

INHALATION: At room temp., no harmful effects expected. Vapours from heated material may cause respiratory irritation.

CARCINOGENICITY: Contains 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: >200°F 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 SC13A. Application of water stream to hot product may cause frothing and increase fire intensity. This material may produce a floating fire hazard.

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.

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. 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.

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RESPIRATORY PROTECTION: In the absence of good ventilation, may use respirator equipped with organic vapour cartridges: in emergency situations, use SCBA.

9. Physical Characteristics

APPEARANCE: White opaque liquid, except 71 -10 and 71-20 are pink, and 71-40 is translucent

ODOUR: Mild

pH: Not applicable

BOILING POINT: >200°F vapour

PRESSURE: <1 mm Hg @ 25°C

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: approx. 1.1 @ 20°C

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.

Reaction with powdered metals and metallic oxides may react to form flammable hydrogen gas.

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

SARA SECTION 313: This product does not contain any compounds above the de minimis reporting levels subject to SARA Section 313 reporting requirements.

RCRA: 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.

DOT: 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.

MSDS REVISION INDICATOR: Deleted 71-45 and 71-50.

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