

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking**

**1.1 Product Identifier:** PlatSil® Gel-25 Part A  
PlatSil® Gel-25 Part B  
PlatSil® Gel-25 Deadener LV  
PlatSil® Gel-25 Hardener

Product Code(s): GEL25A, GEL25B, DEADENERLV, GEL25HARDENER

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:** Components for silicone rubber for making molds and theatrical prosthetics. For Industrial/Professional Use only.

**1.3 Details of the Supplier of the Safety Data Sheet**

Manufacturer: Polytek Development Corp.  
55 Hilton St., Easton, PA 18042 USA  
Phone: 610-559-8620 (9 a.m. to 5 p.m. EST)  
E-mail: [sds@polytek.com](mailto:sds@polytek.com)

EU OR: Stewardship Solutions  
Green Lowe Farm, Shawclough Rd  
Waterfoot, Rossendale, Lancs. BB4 9SA, UK  
Phone: (+44) 01706 220901

**1.4 Emergency Telephone Number:** CHEMTREC 800-424-9300 or 001-703-527-3887

**Section 2: Hazards Identification**

**2.1 Classification of the Substance or Mixture:**  
**CLP/GHS (No 1272/2008):** Not classified as hazardous  
**EU (1999/45/EC):** Not classified as Dangerous

**2.2 Label Elements:** Not classified as hazardous.  
Supplemental Information: Avoid contact with mucous membranes and eyes.

**2.3 Other Hazards:** None

**Section 3: Composition/Information on Ingredients****3.2 Mixtures**

Chemical Name	CAS #	EINECS #	EU Classification (67/548/EEC)	CLP Annex VI Classification	%
Polydimethylsiloxane	63148-62-9	Polymer	Not dangerous	Not Hazardous	0-95
Polydimethylsiloxane vinyl copolymer	68083-19-2	Polymer	Not dangerous	Not Hazardous	20-30
Silicon dioxide	7631-86-9	231-545-4	Not dangerous	Not Hazardous	0-50
Hydride-terminated polydimethylsiloxane	69013-23-6, 70900-21-9	Polymer	Xi; R36/37/38	Eye Irritation Cat. 2A; H319 Skin Irritation Cat. 2; H315	0-7

**Section 4: First-Aid Measures****4.1 Description of First Aid Measures**

**Eye:** Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Get medical attention if irritation persists.

**Skin:** Wipe off with paper towels. Wash waterless hand cleaner or with soap and water.

**Inhalation:** Remove person to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Get medical attention

**4.2 Most Important symptoms and effects, both acute and delayed:** May cause mild eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is not required.

**Section 5: Fire-Fighting Measures**

**5.1 Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

**5.2 Special Hazards Arising from the Substance or Mixture**

**Unusual Fire and Explosion Hazards:** Not classified as flammable or combustible.

**Combustion Products:** Oxides of and formaldehyde.

**5.3 Advice for Fire-Fighters:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

### Section 6: Accidental Release Measures

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Caution – spill area will be slippery.

**6.2 Environmental Precautions:** Avoid release to the environment.

**6.3 Methods and Material for Containment and Cleaning Up:** Cover with an inert absorbent material and collect into an appropriate container for disposal.

**6.4 Reference to Other Sections:** None.

### Section 7: Handling and Storage

**7.1 Precautions for Safe Handling:** Use with adequate ventilation. Avoid contact with the eyes and mucous membranes. Wash thoroughly after handling. Keep containers closed when not in use.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store indoors at temperatures between 15 and 26°C (60 and 80°F). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

**7.3 Specific end use(s):** None identified

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control Parameters:

**Occupational Exposure Limits:** None Established

**Biological Exposure Index:** None Established

**Derived No Effect Level (DNEL):** None Established

**Predicted No Effect Concentration (PNEC):** None Established

#### 8.2 Exposure Controls:

**Ventilation:** Use with adequate general or local exhaust ventilation.

**Respiratory Protection:** None needed.

**Skin Protection:** Rubber gloves are recommended.

**Eye Protection:** Chemical safety glasses recommended.

**Other Protective Equipment:** An eye wash facility and washing facility should be available in the work area.

### Section 9: Physical and Chemical Properties

#### 9.1 Information on basic Physical and Chemical Properties

**Appearance:** White,translucent liquids, except Deadener is clear

**Odour:** None

**Odour Threshold:** No data available

**pH:** Not applicable

**Melting Point/Freezing Point:** No data available

**Boiling Point:** No data available

**Flash Point:** >175°C

**Evaporation Rate:** No data available

**Flammability (solid, gas):** Not applicable

**Flammable Limits:** No data available

**Vapour Pressure:** <1.33 hPa@20°C (<1 mmHg @20°C)

**Vapour Density:** No data available

**Relative Density:** 1.0 @ 25°C

**Solubility:** Insoluble in water

**Partition Coefficient: n-Octanol/Water:** No data

**Autoignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** 500-10,000 cP

**Explosive Properties:** Not explosive

**Oxidizing Properties:** Not oxidizing

#### 9.2 Other Information: None available

### Section 10: Stability and Reactivity

**10.1 Reactivity:** Not normally reactive.

**10.2 Chemical Stability:** Stable under recommended conditions.

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** Avoid excessive heat.

**10.5 Incompatible Materials:** Avoid contact with strong oxidizers.

**10.6 Hazardous Decomposition Products:** Thermal decomposition will generate carbon oxides, silicon oxides and formaldehyde.

### Section 11: Toxicological Information

#### 11.1 Information on Toxicological Effects:

##### Potential Health Effects:

**Eye Contact:** May cause irritation.

**Skin Contact:** May cause mild irritation especially to mucous membranes.

**Inhalation:** Mists may cause mild respiratory irritation.

**Ingestion:** Single oral dose toxicity is low. No harmful effects anticipated from ingesting small amounts incidental to normal handling. Large amounts may cause gastrointestinal effects.

**Chronic Health Effects:** None known.

**Acute Toxicity Values:** No data available.

**Skin Corrosion/Irritation:** Components are not skin irritants.

**Eye Damage/Irritation:** Components are not eye irritants.

**Respiratory Irritation:** Components are not respiratory irritants.

**Respiratory Sensitization:** Components are not respiratory sensitizers.

**Skin Sensitization:** Components are not skin sensitizers.

**Germ Cell Mutagenicity:** Components are not mutagens.

**Carcinogenicity:** None of the components are carcinogens.

**Reproductive Toxicity:** Components are not reproductive toxins.

**Specific Target Organ Toxicity:** Single Exposure: No data available

Repeat Exposure: No data available.

## Section 12: Ecological Information

**12.1 Toxicity:** This material is not classified as dangerous to aquatic.

**12.2 Persistence and Degradability:** Not readily biodegradable.

**12.3 Bioaccumulative Potential:** No data available.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB Assessment:** Not assessed.

**12.6 Other Adverse Effects:** Not applicable

## Section 13: Disposal Considerations

**13.1 Waste Treatment Methods:** Dispose in accordance with all local, state and federal regulations.

## Section 14: Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not Regulated	None	None	No
Canadian TDG	None	Not Regulated	None	None	No
EU ADR/RID	None	Not Regulated	None	None	No
IMDG	None	Not Regulated	None	None	No
IATA/ICAO	None	Not Regulated	None	None	No

**14.6 Special Precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

## Section 15: Regulatory Information

**15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**

**REACH:** Substances in this formulation imported to EU in >1 tonne/yr are pre-registered. No substances in these products are subject to REACH Authorization or Restriction.

**International Inventories:** To be determined

**15.2 Chemical Safety Assessment:** A Chemical Safety Assessment has not been conducted.

## Section 16: Other Information

**GHS Classification for Reference (See Sections 2 and 3):**

Eye Irritation Category 2A

Skin Irritation Category 2

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

Xi Irritating

R36/37/38 Irritating to eyes, skin and respiratory system.

**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.

**SDS Revision Note:** Minor corrections in Sections 1 and 9.

**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.