

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

1.1 Product Identifier: PlatSil® Gel 0030 Part A  
Product Code(s): GEL0030A  
UFI: CS00-V0W2-M00S-00AH

1.2 **Relevant Identified Uses of the Substance or Mixture:** 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: 800-858-5990 (8 a.m. to 6:30 p.m. EST)  
E-mail: [sds@polytek.com](mailto:sds@polytek.com)

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

#### National Poison Center Phone Numbers:

**Estonia:** Health Board: +372 794 3500

*Ainult professionaalsetele päästetöötajatele õnnetuste korral.*

**Germany:** BfR Bundesinstitut für Risikobewertung: +49-30-18412-0

*Nur für professionelle Notfallhelfer im Katastrophenfall.*

**The Netherlands:** N.V.I.C. (Nationaal Vergiftigingen Informatie Centrum): +31 88 75 580 00

*Alleen voor professionele hulpverleners in geval van calamiteiten.*

**Portugal:** Centro de informação antivenenos: +351213303271

*Apenas para socorristas profissionais em caso de calamidades.*

**Spain:** Instituto Nacional de Toxicología y Ciencias Forenses (INTCF): +34 917689800

*Solo para personal profesional de respuesta a emergencias en caso de calamidades*

## Section 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture:

**CLP/GHS (No 1272/2008):** Skin Irritation – Category 2  
Eye Irritation – Category 2A  
Hazardous to the Aquatic Environment – Chronic Hazard Category 3

### 2.2 Label Elements: Warning



#### Hazard Statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary Phrases

P264 Wash thoroughly with soap and water after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, eye protection and face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P317 If skin irritation occurs: Get medical help.  
P337+P317 If eye irritation persists: Get medical help.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents and container in accordance with local, regional and national regulations.

**Supplemental Information:** May cause mild eye and skin irritation.

### 2.3 Other Hazards:

Based on available data, this product is not PBT.

Based on available data, this product does not have endocrine disrupting properties.

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

Chemical Name	CAS #	EC #	CLP Classification	%
Siloxanes and Silicones, di-Me, hydrogen-terminated	70900-21-9	615-197-4	Skin Irritation – Cat. 2 (H315) Eye Irritation – Cat. 2 (H319) STOT – Single Exposure – Cat. 3 (H373)	3-6
Hexamethyldisilazane	999-97-3	203-603-9	Flammable Liquid – Cat. 2 (H225) Acute Toxicity (Oral) – Cat. 4 (H302) Acute Toxicity (Dermal) – Cat. 3 (H311) Acute Toxicity (Inhalation) – Cat. 4 (H332) Aquatic Toxicity – Chronic – Cat. 3 (H412)  Acute Toxicity Estimate (ATE) Oral LD50 (rat) – 847 mg/kg Dermal LD50 (rabbit) – 585 mg/kg Inhalation LC50 (rabbit) – 10 mg/L – 6 hr. exposure	2-3
Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are not hazardous or are below concentration/cut-off thresholds.				

**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 develops or persists.

**Skin:** If on skin, wash with plenty of soap and water. Get medical attention if irritation develops or persists.

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

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

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

**4.3 Indication of any immediate medical attention and special treatment needed:** Not expected to be required.

**Section 5: Fire-Fighting Measures**

**5.1 Suitable Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical.

**Unsuitable Extinguishing Media:** 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 carbon and silicon 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:**

**6.1.1: Non-Emergency Personnel:** Remove all ignition sources. Clear other non-emergency personnel from the area. Wear appropriate protective clothing to avoid eye and skin contact and avoid breathing of vapors. Ventilate area. Caution – spill area may be slippery.

**6.1.2: Emergency Personnel:** Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to avoid eye and skin contact and avoid breathing of vapors. Ventilate area. Caution – spill area may be slippery.

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

**6.3 Methods and Material for Containment and Cleaning Up:**

**6.3.1: Containment:** Cover with an inert absorbent material and collect into an appropriate container for disposal. Do not seal the container since CO<sub>2</sub> is generated on contact with moisture and dangerous pressure buildup can occur.

**6.3.2: Clean-up:** Decontaminate floor area with a mixture of water plus isopropyl alcohol (20%), household ammonia (10%), and detergent (2%).

**6.3.3: Other Information:** No additional information available.

**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. Avoid contact with strong oxidizers.
- 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):**

Chemical Name	DNEL
Hexamethyldisilazane	133 mg/m <sup>3</sup> (inhalation, local); 53 mg/m <sup>3</sup> (inhalation, systematic)

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

**8.2 Exposure Controls:**

**8.2.1: Engineering Controls:** Use with adequate general or local exhaust ventilation to minimize occupational exposure limits. An eyewash facility and washing facility should be available in the work area.

**8.2.2: Individual Protection Measures**

(a) **Eye/Face Protection:** Wear chemical safety goggles.

**(b) Skin Protection:**

(i) **Hand Protection:** Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. Suggested gloves are impervious and made of butyl rubber or nitrile rubber with a breakthrough time greater than 240 minutes with a protection class of 5 or higher and a thickness greater than 0.35 mm.

(ii) **Protective Clothing:** Wear impervious clothing of compatible material such as cotton to prevent skin contact and contamination of personal clothing.

(c) **Respiratory Protection:** If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

(d) **Thermal Hazards:** Not classified as a flammable or combustible material.

**8.2.3. Environmental Exposure Controls:** Harmful to aquatic life with long lasting effects. Do not release into the environment.

**Section 9: Physical and Chemical Properties****9.1 Information on basic Physical and Chemical Properties**

(a) **Physical State:** Liquid

(b) **Colour:** Translucent/Milky

(c) **Odour:** None

(d) **Melting Point/Freezing Point:** No test data available

(e) **Boiling Point or Initial Boiling Point and Boiling Range:** No test data available

(f) **Flammability:** Not applicable

(g) **Lower and Upper Explosion Limit:** No test data available

(h) **Flash Point:** >150°C (>302°F) (estimated)

(i) **Auto-Ignition Temperature:** No test data available

(j) **Decomposition Temperature:** No test data available

(k) **pH:** Not applicable

(l) **Kinematic Viscosity:** 50 cP - 68,000 cP @ 25°C

(m) **Solubility:** Insoluble in water

(n) **Partition Coefficient n-Octanol/Water (log value):** No test data available

- (o) **Vapour Pressure:** <1.33 hPa@20°C (<1 mmHg @20°C)
- (p) **Density and/or Relative Density:** 1.0-1.3 @ 25°C
- (q) **Relative Vapour Density:** No test data available
- (r) **Particle Characteristics:** No test data available

## 9.2 Other Information:

### 9.2.1. Information With Regard to Physical Hazard Classes:

- (a) **Explosive Properties:** Not explosive
- (b) **Oxidizing Properties:** Not oxidizing

### 9.2.2. Other Safety Characteristics: 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:

#### (a) Acute Toxicity:

Oral: Not acutely hazardous

Dermal: Not acutely hazardous

Inhalation: Not acutely hazardous

#### (b) Skin Corrosion/Irritation: Causes skin irritation.

#### (c) Serious Eye Damage/Irritation: Causes serious eye damage.

#### (d) Respiratory or Skin Sensitization: Components are not classified as respiratory or skin sensitizers.

#### (e) Germ Cell Mutagenicity: Components are not classified as mutagens.

#### (f) Carcinogenicity: Components are not classified as carcinogens.

#### (g) Reproductive Toxicity: Components are not classified as reproductive toxins.

#### (h) STOT-Single Exposure: No data available.

#### (i) STOT-Repeated Exposure: No data available.

#### (j) Aspiration Hazard: No data available.

### 11.2 Information on Other Hazards: Based on available data, this product does not contain substances with endocrine disrupting properties.

## Section 12: Ecological Information

- 12.1 **Toxicity:** Harmful to aquatic life with long lasting effects. Avoid release to the environment.
- 12.2 **Persistence and Degradability:** Not readily biodegradable.
- 12.3 **Bioaccumulative Potential:** Not expected to bioaccumulate.
- 12.4 **Mobility in Soil:** In the aquatic and terrestrial environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.
- 12.5 **Results of PBT and vPvB Assessment:** Not considered to be PBT.
- 12.6 **Endocrine Disruption Properties:** Based on available data, this product does not contain endocrine disrupting properties.
- 12.7 **Other Adverse Effects:** Not applicable

## Section 13: Disposal Considerations

### 13.1 Waste Treatment Methods:

**Waste From Residues/Unused Products:** Waste is classified as hazardous. Dispose of in accordance with European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

**Contaminated Packaging:** Dispose of this container to a hazardous or special waste collection point.

**European Waste Catalogue (EWC):** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

**Other Information:** Do not flush to sewer or empty into drains. Waste Codes should be assigned by the user based on the application for which the product was used.

#### 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:**

The mixture or substance is not subject to Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer, Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC, and Regulation (EC) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals.

**REACH:** Substances in this formulation imported to EU in >1 tonne/yr are registered.

**REACH Restriction:**

These products do not contain SVHCs.

No known REACH restrictions apply to this product.

**International Inventories:** To be determined.

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

#### Section 16: Other Information

**SDS Revision Note:** EU-version SDS Created: May 17, 2023

##### Abbreviations and Acronym Key:

AGS: Committee on Hazardous Substances

Canadian TDG: Canadian Transportation of Dangerous Goods

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging

EU ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR)

DFG: German Research Foundation (Deutsche Forschungsgemeinschaft)

DNEL: Derived No Effect Limit

GHS: Globally Harmonized System

IATA/ICAO: International Air Transport Association

IBC Code: International Bulk Chemical Code

IMDG: International Maritime Dangerous Goods

MAK: Maximale Arbeitsplatzkonzentration (Maximum Workplace Concentration)

MARPOL: Marine Pollution

OEL: Occupational Exposure Limit

PBT: Persistent Bioaccumulate and Toxic.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

SDS: Safety Data Sheet

STOT: Specific Target Organ Toxicity

SVHC: Substance of Very High Concern

vPvB: very Persistent and very Bio-accumulative

UFI: Unique Formula Identifier

US DOT: United States Department of Transportation

**Key Literature References and Sources of Data:** Raw material safety data sheets and internal sources.

**Method of Evaluating Information Referred to in Article 9 of Regulation (EC) No 1272/2008:** Calculation method was utilized.

**Hazard and Precautionary Statements:**

**Hazard Phrases from Product Classification**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

**Additional Hazard Phrases from Mixture Composition Table**

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

**Precautionary Phrases**

- P264 Wash thoroughly with soap and water after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, eye protection and face protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P317 If skin irritation occurs: Get medical help.
- P337+P317 If eye irritation persists: Get medical help.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P501 Dispose of contents and container in accordance with local, regional and national regulations.

**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.

**Disclaimer:** The information contained herein is considered accurate; however, Polytek® Development Corp. 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.