



# SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**  
Product Name **Silmer G-11**  
Product code 6977.11  
Chemical Name Mixture  
CAS No. 541-02-6 / 63394-02-5  
Alternative names (INCI) Cyclopentasiloxane (and) Polysilicone 11
- 1.2 Recommended use of the chemical and restrictions on use**  
Identified use(s) PC39 Cosmetics, personal care products  
Uses advised against None known
- 1.3 Details of the supplier of the Safety Data Sheet**  
Company Identification Siltech Corp  
225 Wicksteed Ave  
Toronto, ON Canada M4H 1G5  
Telephone +1-416-424-4567  
Fax +1-416-424-3158  
E-Mail (competent person) marsha.carter@siltech.com  
  
Additional Location Siltech Corp  
3265 Wolfedale Road,  
Mississauga ON Canada L5C 1V8  
Telephone +1-905-270-5534  
Fax +1-905-270-5816
- 1.4 Emergency telephone number**  
Emergency Phone No. **CANUTEC - TELEPHONE: EMERGENCY USE ONLY  
+1-613-996-6666**

## 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture** **Flammable Liquid Category 4**
- 2.2 Label elements**  
Product Name **Silmer G-11**  
Symbol NONE  
Signal word(s) Warning  
Hazard statement(s) H227: Combustible liquid.  
Precautionary statement(s) P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P403+P235: Store in a well-ventilated place. Keep cool.  
P501: Dispose of contents/container to: Observe Local Regulations.
- 2.3 Other hazards** Vapour may create explosive atmosphere.

## 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Decamethylcyclopentasiloxane	D5	80 - 95	541-02-6	208-764-9	H227
Octamethylcyclotetrasiloxane	D4	< 0.1	556-67-2	209-136-7	GHS02, GHS08, GHS09 H226, H361f, H411

Dodecamethylcyclhexasiloxane	D6	< 0.1	540-97-6	208-762-8	Identified as a vPvB according to REACH Annex XIII.
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#### 4. SECTION 4: FIRST AID MEASURES



##### 4.1 Description of first aid measures

Inhalation  
Skin Contact  
Eye Contact

Remove person to fresh air and keep comfortable for breathing.  
Gently wash with plenty of soap and water.  
If substance has got into the eyes, immediately wash out with plenty of water for several minutes.  
If swallowed, seek medical advice immediately and show this container or label.

Ingestion

##### 4.2 Most important symptoms and effects, both acute and delayed

Not available.

##### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### 5. SECTION 5: FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire, use water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.

Unsuitable Extinguishing Media

None known

##### 5.2 Special hazards arising from the substance or mixture

Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

##### 5.3 Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

#### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

##### 6.2 Environmental precautions

Avoid release to the environment.

##### 6.3 Methods and material for containment and cleaning up

Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.

##### 6.4 Reference to other sections

See Section: 7 & 8.

#### 7. SECTION 7: HANDLING AND STORAGE

##### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.

##### 7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container.

Storage Temperature

Ambient

Storage Life

Stable under normal conditions.

Incompatible materials

Oxidizing agents

##### 7.3 Specific end use(s)

Industrial use

#### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

### 8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

### 8.1.2 Biological limit value

Not established

### 8.1.3 PNECs and DNELs

Not established

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Provide adequate ventilation.

#### 8.2.2 Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely.

Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

Combustible

### 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Colourless Gel
Odour	Faint.
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	210°C @ 760mmHg
Flash point (PMCC)	77°C
Evaporation rate	< 1
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	0.015 kPa
Vapour density	Not available.
Relative density / Specific Gravity (25°C)	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	300,000- 800,000 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Will not occur.
10.4 Conditions to avoid	None known.

<b>10.5 Incompatible materials</b>	Oxidizing agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

Ingestion	D5: LD50 (oral, rat) mg/kg: >5000
Inhalation	D5: LC50 (inhalation, rat) mg/l/4h: > 5000
Skin Contact	None anticipated
Eye Contact	None anticipated

#### Effects and Symptoms

skin corrosion/irritation	Not classified
Serious eye damage/irritation	Mild irritant to rabbit eyes.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified
Delayed and chronic effects	Not available
Calculated acute toxicity estimate (ATE)	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Not available.
<b>12.2 Persistence and degradability</b>	Not available.
<b>12.3 Bioaccumulative potential</b>	Identified as a vPvB according to REACH Annex XIII.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and VPVB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	None known

## 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Do not empty into drains; dispose of this material and its container in a safe way.
<b>13.2 Additional Information</b>	Dispose of contents in accordance with local, state or national legislation.

## 14. SECTION 14: TRANSPORT INFORMATION

<b>14.1 TDG / Road/Rail (ADR/RID)</b>	Not classified as dangerous for transport.
<b>14.2 Air (ICAO/IATA)</b>	Not classified as hazardous for air transport.
<b>14.3 Sea (IMDG)</b>	Not classified as hazardous for marine transport.
<b>14.4 DOT / CFR (US Department of Transportation)</b>	(Applicable only to containers > 119 gallons or 450 L)
DOT Proper Shipping Name	Combustible liquid, N.O.S. (Decamethylcyclopentasiloxane solution)
Class	3 Packing group III
UN number	1993

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 EU regulations

Candidate List of Substances of Very High Concern for Authorisation

vPvB: very Persistent and very Bioaccumulative  
vPvB: very Persistent and very Bioaccumulative  
PBT: Persistent, Bioaccumulative and Toxic

Decamethylcyclopentasiloxane (CAS# 541-02-6) 80 – 95%  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.1%  
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%  
Octamethyltrisiloxane (CAS# 107-51-7) < 0.1%  
Decamethyltetrasiloxane (CAS# 141-62-8) < 0.1%

## 15.2 International Inventories

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)		X		
Canada (DSL/NDL)	DSL✓			
European Union (EINECS/ELINCS)	✓		✓	
Australia (AICS)	✓			
China (IECSC)		X		
Japan (ENCS)		X		
South Korea (KECI)		X		
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)	✓			

## 15.3 National regulations

United States (TSCA)  
HMIS (Hazardous Material Information System)  
NFPA Rating

**Personal care exempt**

**H = 1 / F = 2 / R = 0**

**H = 1 / F = 2 / R = 0**

## 15.4 US State Regulations

**15.4.1** SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM

None known.

**15.4.2** SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

None known.

**15.4.3** State Right to Know Lists

**Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%**

## 16. SECTION 16: OTHER INFORMATION

Revision: **January 06, 2026**

### LEGEND

LTEL Long Term Exposure Limit  
STEL Short Term Exposure Limit  
STOT Specific Target Organ Toxicity  
DNEL Derived No Effect Level  
PNEC Predicted No Effect Concentration  
PBT Persistent, Bioaccumulative and Toxic  
vPvB very Persistent and very Bioaccumulative

### Hazard statement(s) and Precautionary statement(s)

H227: Combustible liquid.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P403+P235: Store in a well-ventilated place. Keep cool.

### Hazard pictogram(s) and Hazard Symbol

**NONE**

### Additional Information

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