



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

Telephone
Fax
E-Mail (competent person) marsha.carter@siltech.com

Additional Location

Siltech Corp

225 Wicksteed Ave

Toronto, ON Canada M4H 1G5

+1-416-424-4567

+1-416-424-3158

marsha.carter@siltech.com

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.
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

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

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

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 CO ₂ for extinction. Keep containers cool by spraying with water if exposed to fire.
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5.2 Unsuitable Extinguishing Media

5.3 Special hazards arising from the substance or mixture

5.4 Advice for fire-fighters

None known

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

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 ³)	STEL (ppm)	STEL (mg/m ³)	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



Skin protection (Hand protection/ Other)



Respiratory protection



Thermal hazards

8.2.3 Environmental Exposure Controls

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

Wear suitable gloves if prolonged skin contact is likely.

No personal respiratory protective equipment normally required.

Combustible

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.

10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous Decomposition Product(s)	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

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Identified as a vPvB according to REACH Annex XIII.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Other adverse effects

None known

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not empty into drains; dispose of this material and its container in a safe way.

13.2 Additional Information

Dispose of contents in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 TDG / Road/Rail (ADR/RID)

Not classified as dangerous for transport.

14.2 Air (ICAO/IATA)

Not classified as hazardous for air transport.

14.3 Sea (IMDG)

Not classified as hazardous for marine transport.

14.4 DOT / CFR (US Department of Transportation)

(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/NDSL)	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) **Personal care exempt**
HMIS (Hazardous Material Information System) **H = 1 / F = 2 / R = 0**
NFPA Rating **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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