



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-165-IDD**
Product code 6970.65
Chemical Name Mixture
CAS No. 13475-82-6 / 213629-14-2
Alternative names (INCI) Isododecane (and) Dimethicone Crosspolymer
- 1.2 Recommended use of the chemical and restrictions on use**
Identified use(s) PC39 Cosmetics, personal care products
Uses advised against Not available
- 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**
Flam. Liq. 3
- 2.2 Label elements**
Product Name **Silmer G-165-IDD**
Symbol 

Signal word(s) **WARNING**
Hazard statement(s) H226: Flammable liquid and vapour.
Precautionary statement(s) P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235: Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container to: Observe Local Regulations.

2.3 Other hazards None known

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)
2,2,4,6,6-pentamethylheptane	Isododecane	80 - 90	13475-82-6	236-757-0	GHS02, GHS08 H226 , H304, H413

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Skin Contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

None known.

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. Ground/bond container and receiving equipment. 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition

	Storage Temperature	sources. No smoking.
	Storage Life	Ambient
	Incompatible materials	Stable under normal conditions.
7.3	Specific end use(s)	Oxidizing agents
		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



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



In case of inadequate ventilation wear respiratory protection.

Thermal hazards

Flammable liquid

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	Clear to translucent smooth gel
Odour	Characteristic
Odour Threshold	Not available.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	>100°C @ 760 mmHg
Flash point (PMCC)	43°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
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)	200,000 – 500,000 cps

Explosive properties
Oxidising properties

Not applicable.
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	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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	Harmful if swallowed.
Inhalation	Low toxicity under normal conditions of handling and use.
Skin Contact	May cause irritation
Eye Contact	May cause irritation
Effects and Symptoms	
skin corrosion/irritation	Repeated and/or prolonged skin contact may cause irritation.
Serious eye damage/irritation	Not classified
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	May be harmful if swallowed and enters airways.
Delayed and chronic effects	Not available.
Calculated acute toxicity estimate (ATE)	Not available.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	May cause long lasting harmful effects to aquatic life.
12.2 Persistence and degradability	Not available.
12.3 Bioaccumulative potential	Not available.
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	UN number	2286
14.2	UN Proper Shipping Name	Pentamethylheptane Solution
14.3	Transport hazard class(es)	3
14.4	Packing Group	III
14.5	Environmental hazards	None



15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. 01-2119490725-29-0000 / Polymer exempt

Candidate List of Substances of Very High Concern for Authorisation Possible trace amounts of:
 Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%
 Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.1%
 Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 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)	✓			
Japan (ENCS)		X		
South Korea (KECI)	✓			
Taiwan (TCSI)	✓			
New Zealand (NZIoC)	✓			
Philippines (PICCS)		X		

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 Specific Listing(s) not required
 Possible trace amounts of:
Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%

16. SECTION 16: OTHER INFORMATION

Revision:: **August 15, 2025**

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)

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Hazard pictogram(s)



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