




# 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 NH Di-50**  
Product code 5818  
Chemical Name Siloxanes and silicones, dimethyl, 3-aminopropyl terminated  
CAS No. 106214-84-0
- 1.2 Recommended use of the chemical and restrictions on use**  
Identified use(s) An intermediate chemical product., Additive  
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) raj@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. **CANUTECH - TELEPHONE: EMERGENCY USE ONLY  
+1-613-996-6666**

## 2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**  
**Skin Corr. 1A**  
**Eye Dam. 1**
- 2.2 Label elements**  
Product Name **Silmer NH Di-50**  
Symbol 
- Signal word(s) **DANGER**  
Hazard statement(s) H314: Causes severe skin burns and eye damage.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
P264: Wash hands and exposed skin thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363: Wash contaminated clothing before reuse.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310: Immediately call a POISON CENTER/doctor.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and
- Precautionary statement(s)

easy to do. Continue rinsing.  
P405: Store locked up.  
P501: Dispose of contents/container to: Observe Local Regulations.  
None known

2.3 Other hazards

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

3.1 Substances

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Siloxanes and silicones, dimethyl, 3-aminopropyl terminated	Aminated Polydimethyl-siloxane	95 - 100	106214-84-0	Polymer exempt	GHS05 : H314

**4. SECTION 4: FIRST AID MEASURES**



4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Remove contaminated clothing immediately and wash affected skin with soap and water. Obtain medical attention if ill effects occur.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Obtain medical attention if ill effects occur.
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

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.  
 Store in a tightly closed container.
- 7.2 Conditions for safe storage, including any incompatibilities**  
 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/m³)	STEL (ppm)	STEL (mg/m³)	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 impervious gloves (EN374).  
 Nitrile rubber, Neoprene, Rubber
- Respiratory protection  
 Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
- Thermal hazards  
 None.
- 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 to yellowish liquid.  
 Odour Characteristic odour.  
 Odour Threshold Not available.  
 pH 10 - 11  
 Melting Point/Freezing Point Not available.  
 Initial boiling point and boiling range >100°C @ 760mmHg  
 Flash point (PMCC) >100°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) 0.94  
 Solubility(ies) Insoluble in water.

Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	40 - 100 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	
<b>Acute toxicity</b>	
Ingestion	Ingestion may cause irritation of the gastrointestinal tract.
Inhalation	Mist may cause irritation.
Skin Contact	Causes severe skin burns.
Eye Contact	Causes severe eye damage.
<b>Effects and Symptoms</b>	
<b>skin corrosion/irritation</b>	Causes severe skin burns.
<b>Serious eye damage/irritation</b>	Causes severe eye damage.
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT - single exposure</b>	Not classified
<b>STOT - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified
<b>Delayed and chronic effects</b>	Not available
<b>Calculated acute toxicity estimate (ATE)</b>	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Harmful to aquatic life with long lasting effects.
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 DOT / TDG / Road/Rail (ADR/RID)	Not classified as hazardous for road transport. Not classified as hazardous for rail transport.
14.2 Air (ICAO/IATA)	Not classified as hazardous for air transport.
14.3 Sea (IMDG)	Not classified as hazardous for marine transport.

## 15. SECTION 15: REGULATORY INFORMATION

### 15.1 EU regulations

REACH Registration No. 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%

### 15.2 International Inventories

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

### 15.3 National regulations

United States (TSCA) TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules). **Accession #32134**

HMIS (Hazardous Material Information System) **H = 2 / F = 1 / R = 0**  
NFPA Rating **H = 2 / F = 1 / 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: **March 24, 2022**

### 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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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Hazard pictogram(s) and Hazard Symbol**



**GHS05**

**Additional Information**

**Disclaimers**

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