




# 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-8**  
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.  
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**  
Skin Corr. 1C  
Eye Dam. 1
- 2.2 Label elements**  
Product Name **Silmer NH Di-8**  
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

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 CO<sub>2</sub> 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/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 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)                       | 10 - 20 cps     |
| Explosive properties                   | Not applicable. |
| Oxidising properties                   | Not applicable. |

## 10. SECTION 10: STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                         | Stable under normal conditions.   |
| <b>10.2 Chemical stability</b>                 | Stable under normal conditions.   |
| <b>10.3 Possibility of hazardous reactions</b> | Will not occur.   |
| <b>10.4 Conditions to avoid</b>                | 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

|  |   |
|--|---|
| <b>11.1 Information on toxicological effects</b> |   |
| <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

|  |  |
|--|--|
| <b>12.1 Toxicity</b>                           | Harmful to aquatic life with long lasting effects. |
| <b>12.2 Persistence and degradability</b>      | Not available.                                     |
| <b>12.3 Bioaccumulative potential</b>          | Not available.                                     |
| <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 UN number</b>               | UN 2735   |
| <b>14.2 UN proper shipping name</b> | Amines, liquid, corrosive, N.O.S. (Aminosiloxane) |
| <b>14.3 Class</b>                   | 8   |
| <b>14.4 Packing group</b>           | III   |

## 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)           | Active✓ |            |                |       |
| Canada (DSL/NDSL)              | NDSL✓   |            |                |       |
| European Union (EINECS/ELINCS) |         |            | ✓              |       |
| Australia (AICS)               | ✓       |            |                |       |
| China (IECSC)                  | ✓       |            |                |       |
| Japan (ENCS)                   | ✓       |            |                |       |
| 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)  
NFPA Rating

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

**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: **February 28, 2024**

### 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)

H314: Causes severe skin burns and eye damage.

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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 easy to do. Continue rinsing.

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



**GHS05**

**Additional Information**

**Disclaimers**

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