



# 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 **Silsurf Di-2012**  
Product code 2841.6  
Chemical Name Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, ethoxylated  
CAS No. 102783-01-7  
Alternative names (INCI) Bis-PEG-12 Dimethicone
- 1.2 Recommended use of the chemical and restrictions on use**  
Identified use(s) PC39 Cosmetics, personal care products  
Surface active agent, Coatings, 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** **Not classified**
- 2.2 Label elements**  
Product Name **Silsurf Di-2012**  
Symbol NONE  
Signal word(s) NONE  
Hazard statement(s) NONE  
Precautionary statement(s) P262: Do not get in eyes, on skin, or on clothing.
- 2.3 Other hazards** None known

## 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) |
|-----------------------------------|------------|------|---------|--------|---|
| Contains no hazardous ingredients |            |      |         |        |   |

#### 4. SECTION 4: FIRST AID MEASURES



##### 4.1 Description of first aid measures

|              |  |
|--------------|--|
| Inhalation   | Unlikely to be required but if necessary treat symptomatically.                                    |
| Skin Contact | Unlikely to be required but if necessary treat symptomatically.                                    |
| 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

Not available.

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

Unlikely to be required but if necessary 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

|                             |  |
|-----------------------------|--|
| Storage Temperature         | Ambient. Ideal storage temperature is (°C): 15 - 40  |
| Storage Life                | Stable under normal conditions.  |
| Special storage conditions: | Do not freeze. If the product does solidify, heat (to approximately 40°C) and mix until the product returns to a clear liquid. |

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 |         |                     |                                    |            |                           |      |

|   |  |
|---|--|
| <b>8.1.2 Biological limit value</b>   | Not established  |
| <b>8.1.3 PNECs and DNELs</b>  | Not established  |
| <b>8.2 Exposure controls</b>  |  |
| <b>8.2.1 Appropriate engineering controls</b>                                     | Provide adequate ventilation.                                      |
| <b>8.2.2 Personal protection equipment</b>  |  |
| 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   | None.  |
| <b>8.2.3 Environmental Exposure Controls</b>                                      | Avoid release to the environment.                                  |

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |                                 |
|--|---------------------------------|
| <b>9.1 Information on basic physical and chemical properties</b> |                                 |
| Appearance   | Colourless to yellowish liquid. |
| Odour  | Faint.                          |
| Odour Threshold  | Not available.                  |
| pH   | Not available.                  |
| 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)                       | 1.04                            |
| Solubility(ies)  | Dispersible in water.           |
| Partition coefficient: n-octanol/water                           | Not available.                  |
| Auto-ignition temperature  | Not available.                  |
| Decomposition Temperature  | Not available.                  |
| Viscosity (25°C)   | 300 – 600 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

### 11.1 Information on toxicological effects

#### Acute toxicity

|              |   |
|--------------|---|
| Ingestion    | Low toxicity under normal conditions of handling and use. |
| Inhalation   | Low toxicity under normal conditions of handling and use. |
| Skin Contact | None anticipated  |
| Eye Contact  | None anticipated  |

#### Effects and Symptoms

|  |                |
|--|----------------|
| skin corrosion/irritation                | Not classified |
| 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                        | Not classified |
| Delayed and chronic effects              | Not available  |
| Calculated acute toxicity estimate (ATE) | Not available  |

## 12. SECTION 12: ECOLOGICAL INFORMATION

|   |   |
|---|---|
| 12.1 Toxicity                           | Low toxicity to aquatic organisms.                        |
| 12.2 Persistence and degradability      | This substance is predicted to degrade in soil and water. |
| 12.3 Bioaccumulative potential          | The substance has low potential for bioaccumulation.      |
| 12.4 Mobility in soil                   | The substance is predicted to have low mobility in soil.  |
| 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.<br>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: (<0.01%)<br>Octamethylcyclotetrasiloxane (CAS# 556-67-2)<br>Decamethylcyclopentasiloxane (CAS# 541-02-6)<br>Dodecamethylcyclohexasiloxane (CAS# 540-97-6) |

**15.3 International Inventories**

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

**15.4 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).

HMIS (Hazardous Material Information System)

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

NFPA Rating

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

**15.5 US State Regulations**

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

Specific Listing(s) not required  
Possible trace amounts of:

**Ethylene Oxide (CAS# 75-21-8) < 1 ppm**

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

Specific Listing(s) not required  
Possible trace amounts of:

**Ethylene Oxide (CAS# 75-21-8) < 1 ppm**

**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

**15.5.3** State Right to Know Lists

Specific Listing(s) not required  
Possible trace amounts of:

**Ethylene Oxide (CAS# 75-21-8) < 1 ppm**

**1,4-Dioxane (CAS# 123-91-1) < 1 ppm**

**16. SECTION 16: OTHER INFORMATION**

Revision: **September 26, 2018**

**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

**References:**

**Hazard statement(s) and Precautionary statement(s)**

P262: Do not get in eyes, on skin, or on clothing.

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

**NONE**

**Training advice:**

### **Additional Information**

#### **Disclaimers**

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