

Product name: C-THIX 100 (Fumed Silica)

# SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations  
(SOR/2015-17)

## 1. Identification

**Product identifier:**

C-THIX 100 (Fumed Silica)

**Chemical name:**

Silicones and siloxanes, dimethyl-, reaction products with silica

**Recommended use of the chemical and restrictions on use****Recommended use:** Coating agent Sealant Reinforcing agent. Cosmetics**Recommended restrictions:** Not known.**Manufacturer/Importer/Distributor Information**

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## 2. Hazard(s) identification

**Hazard Classification****According to Hazardous Products Regulations**

Not classified

**Label Elements****Hazard Symbol:** No symbol**Signal Word:** No signal word.**Hazard Statement:** Not applicable**Precautionary  
Statements**

**Product name: C-THIX 100 (Fumed Silica)****Physical Hazards Not possible Otherwise Classified:** Classification not**Health Hazards Not possible Otherwise Classified:** Classification not**3. Composition/information on ingredients****Chemical name:**

Silicones and siloxanes, dimethyl-, reaction products with silica

**Substances**

| Chemical Identity   | Common name and synonyms | CAS number | Content in percent (%)* |
|---|--------------------------|------------|-------------------------|
| Silicones and siloxanes, dimethyl-, reaction products with silica | No data available.       | 67762-90-7 | <=100%                  |

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**4. First-aid measures****Description of necessary first-aid measures**

- Inhalation:** In case product dust is released: Possible discomfort: cough, sneezing Move victims into fresh air.
- Skin Contact:** Wash off with plenty of water and soap.
- Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention. No information available.
- Ingestion:** Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
- Personal Protection for First-aid Responders:** As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

**Most important symptoms/effects, acute and delayed****Symptoms:** None known.**Hazards:** None known.**Indication of immediate medical attention and special treatment needed****Treatment:** No hazards which require special first aid measures.**5. Fire-fighting measures**

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### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Water spray, foam, CO<sub>2</sub>, dry powder. Adapt fire-extinguishing measures to surroundings

**Unsuitable extinguishing media:** Do not use full-force water jet in order to avoid dispersal and spread of the fire.

**Specific hazards arising from the chemical:** May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.

**Methods and material for containment and cleaning up:** Sweep up or vacuum up spillage and collect in suitable container for disposal.

**Environmental Precautions:** Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):** Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.

**Safe handling advice:** Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If the workplace threshold limit value is exceeded and/or the substance is released, use appropriate respiratory protection. Use with adequate ventilation.

**Contact avoidance measures:** No data available.

**Hygiene measures:** When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

### Storage

**Safe storage conditions:** Protect from heat and exposure to direct sunlight Keep containers tightly closed in a dry, cool and well-ventilated place. Take measures to prevent the build up of electrostatic charge. When repairs of the production system are to be made (e.g. welding work), the section to be repaired must be essentially free of product.

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Safe packaging materials: No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

None of the components have assigned exposure limits.

#### Appropriate Engineering Controls

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection:

Wear safety glasses with side shields. In case dusts are formed, wear close fitting protective goggles.

#### Skin Protection

##### Hand Protection:

Additional Information: Wear protective gloves made of the following materials: material, rubber, leather. Additional Information: Use impermeable gloves.

##### Other:

A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

#### Respiratory Protection:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

#### Hygiene measures:

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

## 9. Physical and chemical properties

### Appearance

|                            |  |
|----------------------------|--|
| Physical state:            | solid                                    |
| Form:                      | Powder                                   |
| Color:                     | White                                    |
| Odor:                      | odourless                                |
| Odor Threshold:            | Not applicable                           |
| pH:                        | 4 - 6 (40 g/l, 20 °C) 1: 1 in suspension |
| Melting Point:             | Not applicable Decomposition             |
| Boiling Point:             | Not applicable Decomposition             |
| Flash Point:               | Not applicable                           |
| Evaporation Rate:          | Not applicable                           |
| Flammability (solid, gas): | Not determined.                          |
| Explosive limit - upper:   | Not determined.                          |
| Explosive limit - lower:   | Not determined.                          |
| Vapor pressure:            | Not applicable                           |

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|   |   |
|---|---|
| <b>Vapor density (air=1):</b>                   | No data available.                          |
| <b>Density:</b>                                 | Approximate 2 g/cm <sup>3</sup> (20 °C)     |
| <b>Relative density:</b>                        | No data available.                          |
| <b>Solubility in Water:</b>                     | > 1 mg/l                                    |
| <b>Solubility (other):</b>                      | No data available.                          |
| <b>Partition coefficient (n-octanol/water):</b> | Not applicable                              |
| <b>Self Ignition Temperature:</b>               | Not determined.                             |
| <b>Decomposition Temperature:</b>               | > 300 °C                                    |
| <b>Kinematic viscosity:</b>                     | Not applicable solid                        |
| <b>Dynamic viscosity:</b>                       | Not applicable solid                        |
| <b>Other information</b>                        |   |
| <b>Molecular weight:</b>                        |   |
| <b>Explosive properties:</b>                    | Not to be expected in view of the structure |
| <b>Oxidizing properties:</b>                    | Not determined.                             |
| <b>Minimum ignition energy:</b>                 | > 10 kJ (VDI Guideline 2263 sheet 1)        |
| <b>Minimum ignition temperature:</b>            | approx. 460 °C (VDI Guideline 2263 sheet 1) |

**10. Stability and reactivity**

|  |  |
|--|--|
| <b>Reactivity:</b>                                 | No dangerous reaction known under conditions of normal use.      |
| <b>Chemical Stability:</b>                         | Stable under recommended storage conditions.                     |
| <b>Possibility of hazardous stored. reactions:</b> | No hazardous reactions are known if properly handled and stored. |
| <b>Conditions to avoid:</b>                        | Hydrophobic properties disappear at temperatures > 300°C         |
| <b>Incompatible Materials:</b>                     | None known.  |
| <b>Hazardous Decomposition Products:</b>           | None known.  |

**11. Toxicological information**

|   |  |
|---|--|
| <b>General information</b><br>:   | Silicosis or other product specific illnesses of the respiratory tract have not been reported. |
| <b>Information on likely routes of exposure</b>                                     |  |
| <b>Inhalation:</b>  | No data available.   |
| <b>Skin Contact:</b>  | No data available.   |
| <b>Eye contact:</b>   | No data available.   |
| <b>Ingestion:</b>   | No data available.   |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> |  |
| <b>Inhalation:</b>  | No data available.   |
| <b>Skin Contact:</b>  | No data available.   |
| <b>Eye contact:</b>   | No data available.   |
| <b>Ingestion:</b>   | No data available.   |

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### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

##### Oral

Product: LD 50 (Rat): > 5,000 mg/kg  
LDO (Rat): 1,000 mg/kg

##### Dermal

Product: LD 50 (Rat): > 2,000 mg/kg

##### Inhalation

Product: LC0 (Rat): 0.139 mg/l

#### Repeated dose toxicity

Product: No data available.

#### Skin Corrosion/Irritation

Product: Not irritating OECD 404 (Rabbit): Not irritating Based on available data, the classification criteria are not met.

#### Serious Eye Damage/Eye Irritation

Product: Not irritating Rabbit: Not irritating Based on available data, the classification criteria are not met.

#### Respiratory or Skin Sensitization

Product: Not known.

#### Carcinogenicity

Product: Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA. No evidence that cancer may be caused.

#### Germ Cell Mutagenicity

##### In vitro

Product: Ames test (OECD 471): negative Based on available data, the classification criteria are not met.

##### In vivo

Product: No data available.

#### Reproductive toxicity

Product: no evidence of reproduction toxic properties

#### Specific Target Organ Toxicity - Single Exposure

Product: no evidence for hazardous properties

#### Specific Target Organ Toxicity - Repeated Exposure

Product: no evidence for hazardous properties

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**Aspiration Hazard**

**Product:** Not classified

**Other effects:** An Expert Judgment stated that no classification is necessary based on present knowledge.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

**Product:** LC 50 ((Brachydanio rerio), 96 h): > 10,000 mg/l The reported toxic effects relate to the nominal concentration. tested substance: Silicon dioxide, derived from chemical synthesis

**Aquatic Invertebrates**

**Product:** EC 50 (Daphnia magna, 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration. tested substance: Silicon dioxide, derived from chemical synthesis

**Chronic hazards to the aquatic environment:****Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability****Biodegradation**

**Product:** The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential****Bioconcentration Factor (BCF)**

**Product:** Not to be expected.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** Log Kow: Not applicable

**Mobility in soil:**

No remarkable mobility in soil is to be expected.

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**Other adverse effects:** An Expert Judgment stated that no classification is necessary based on present knowledge.

### 13. Disposal considerations

**Disposal methods:** Follow all federal, state, provincial and local regulations.

**Contaminated Packaging:** Offer rinsed packaging material to local recycling facilities. Other countries: observe the national regulations. Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

### 14. Transport information

#### Domestic regulation

##### TDG

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### 15. Regulatory information

#### Canada Federal Regulations

##### List of Toxic Substances (CEPA, Schedule 1)

Not Regulated

##### Export Control List (CEPA 1999, Schedule

3) Not Regulated

#### National Pollutant Release Inventory (NPRI)

##### Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

NPRI PT5 Not Regulated

##### Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI Not Regulated

#### Greenhouse Gases

Not Regulated

#### Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

#### Controlled Drugs and Substances Act

CA CDSI Not Regulated





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|            |               |
|------------|---------------|
| CA CDSII   | Not Regulated |
| CA CDSIII  | Not Regulated |
| CA CDSIV   | Not Regulated |
| CA CDSV    | Not Regulated |
| CA CDSVII  | Not Regulated |
| CA CDSVIII | Not Regulated |

**Precursor Control Regulations**  
Not Regulated

**16. Other information, including date of preparation or last revision**

**Issue Date:** 10/01/2020

**Revision Date:**

**Version #:** 0

**Further Information:** No data available.

**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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