# Safety Data Sheet
## THERMOTEK X99 SILICONE HIGH SLOPE



## 1. Identification

### Product identifier used on the label

# THERMOTEK X99 SILICONE HIGH SLOPE

### Recommended use of the chemical and restriction on use

Recommended use*: Product for construction chemicals
Recommended use*: Use in Coatings

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

### Details of the supplier of the safety data sheet

Company:
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

Telephone: +1 289 360-1300

### Emergency telephone number

CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

### Other means of identification

Chemical family: No applicable information available.

## 2. Hazards Identification

**According to Hazardous Products Regulations (HPR) (SOR/2015-17)**

### Classification of the product

| | | |
|---|---|---|
| Skin Sens. | 1 | Skin sensitization |
| Muta. | 1B | Germ cell mutagenicity |
| Carc. | 1B | Carcinogenicity |
| STOT RE | 1 (by inhalation) | Specific target organ toxicity — repeated exposure |
| Aquatic Acute | 3 | Hazardous to the aquatic environment - acute |
| Aquatic Chronic | 3 | Hazardous to the aquatic environment - chronic |

### Label elements

Pictogram:

Signal Word:
Danger

Hazard Statement:

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H340 | May cause genetic defects. |
| H372 | Causes damage to organs (Lung) through prolonged or repeated exposure (inhalation). |
| H402 | Harmful to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary Statements (Prevention):

| | |
|---|---|
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P201 | Obtain special instructions before use. |
| P260 | Do not breathe dust/gas/mist/vapours. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P273 | Avoid release to the environment. |
| P270 | Do not eat, drink or smoke when using this product. |
| P264 | Wash with plenty of water and soap thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |

Precautionary Statements (Response):

| | |
|---|---|
| P314 | Get medical advice/attention if you feel unwell. |
| P308 + P311 | IF exposed or concerned: Call a POISON CENTER or doctor/physician. |
| P303 + P352 | IF ON SKIN (or hair): Wash with plenty of soap and water. |
| P362 + P364 | Take off contaminated clothing and wash it before reuse. |

Precautionary Statements (Storage):

| | |
|---|---|
| P405 | Store locked up. |

Precautionary Statements (Disposal):

| | |
|---|---|
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Labeling of special preparations (GHS):
Product contains the following components and may cause an allergic skin reaction: 1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-

## 3. Composition / Information on Ingredients

**According to Hazardous Products Regulations (HPR) (SOR/2015-17)**

| CAS Number | Weight % | Chemical name |
|---|---|---|
| 64742-48-9 | >= 0.3 - < 1.0% | Naphtha (petroleum), hydrotreated heavy |
| 1760-24-3 | >= 0.0 - < 1.0% | 1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]- |
| 14808-60-7 | >= 10.0 - < 15.0% | Quartz (SiO2) |
| 13463-67-7 | | Titanium dioxide |
| 14808-60-7 | | Quartz (SiO2) |

## 4. First-Aid Measures

### Description of first aid measures

**General advice:**
First aid personnel should pay attention to their own safety. Remove contaminated clothing.

**If inhaled:**
No applicable information available.

**If on skin:**
Wash thoroughly with soap and water. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

**If in eyes:**
Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**
Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
Hazards: No applicable information available.

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

Note to physician

| | |
|---|---|
| Treatment: | Treat according to symptoms (decontamination, vital functions), no known specific antidote. |

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:
foam, water spray, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

### Special hazards arising from the substance or mixture
Hazards during fire-fighting:
harmful vapours, nitrogen oxides, fumes/smoke, carbon black, carbon oxides
See MSDS section 10 - Stability and reactivity.

### Advice for fire-fighters
Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

**Further information:**
The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

### Environmental precautions
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up
For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

## 7. Handling and Storage

### Precautions for safe handling
Avoid contact with the skin, eyes and clothing.

Protection against fire and explosion:
Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

### Conditions for safe storage, including any incompatibilities
No applicable information available.

Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place. Protect from direct sunlight. Store protected against freezing.

## 8. Exposure Controls/Personal Protection

**Components with occupational exposure limits**

| | | |
|---|---|---|
| Titanium dioxide | OSHA PEL | PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 Total dust ; |
| | ACGIH TLV | TWA value 10 mg/m3 ; |

| | | |
|---|---|---|
| Quartz (SiO2) | OSHA PEL | TWA value 0.1 mg/m3 Respirable dust ; TWA value 0.1 mg/m3 Respirable ;<br>The exposure limit is calculated from the equation, 10mg/m3)/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.<br>TWA value 2.4 millions of particles per cubic foot of air Respirable ;<br>The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits. |
| | ACGIH TLV | TWA value 0.025 mg/m3 Respirable fraction ; |
| Quartz (SiO2) | OSHA PEL | TWA value 0.1 mg/m3 Respirable dust ; TWA value 0.1 mg/m3 Respirable ;<br>The exposure limit is calculated from the equation, 10mg/m3)/(%SiO2+2), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits.<br>TWA value 2.4 millions of particles per cubic foot of air Respirable ;<br>The exposure limit is calculated from the equation, 250/(%SiO2+5), using a value of 100% SiO2. Lower percentages of SiO2 will yield higher exposure limits. |
| | ACGIH TLV | TWA value 0.025 mg/m3 Respirable fraction ; |

**Advice on system design:**
No applicable information available.

**Personal protective equipment**

**Hand protection:**
Wear chemical resistant protective gloves.

**Eye protection:**
Safety glasses with side-shields.

**Body protection:**
Body protection must be chosen based on level of activity and exposure.

**General safety and hygiene measures:**
Avoid contact with the skin, eyes and clothing. No special measures necessary if stored and handled correctly. Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

## 9. Physical and Chemical Properties

| | |
|---|---|
| Form: | dispersion |
| Odour: | of the solvent contained in the product |

| | |
|---|---|
| Odour threshold: | No applicable information available. |
| Colour: | white |
| pH value: | No applicable information available. |
| Melting point: | No applicable information available. |
| Boiling point: | No applicable information available. |
| Sublimation point: | No applicable information available. |
| Flash point: | No applicable information available. |
| Flammability: | No applicable information available. |
| Lower explosion limit: | No applicable information available. |
| Upper explosion limit: | No applicable information available. |
| Autoignition: | No applicable information available. |
| Vapour pressure: | No applicable information available. |
| Density: | 1.28 - 1.32 g/cm3<br>(approx. 20 °C) |
| Relative density: | No applicable information available. |
| Vapour density: | No applicable information available. |
| Partitioning coefficient n-octanol/water (log Pow): | No applicable information available. |
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated. |
| Viscosity, dynamic: | No applicable information available. |
| Viscosity, kinematic: | No applicable information available. |
| Solubility in water: | No applicable information available. |
| Solubility (quantitative): | No applicable information available. |
| Solubility (qualitative): | No applicable information available. |
| Evaporation rate: | No applicable information available. |
| Other Information: | If necessary, information on other physical and chemical parameters is indicated in this section. |

## 10. Stability and Reactivity

### Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

### Chemical stability
The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions
The product is stable if stored and handled as prescribed/indicated.

### Conditions to avoid
See MSDS section 7 - Handling and storage.

### Incompatible materials
strong acids, strong bases, strong oxidizing agents, strong reducing agents

### Hazardous decomposition products

Decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Based on available Data, the classification criteria are not met.

Oral
No applicable information available.

Inhalation
No applicable information available.

Dermal
No applicable information available.

Assessment other acute effects
Based on available Data, the classification criteria are not met.

Irritation / corrosion
Assessment of irritating effects: No irritation is expected under intended use and appropriate handling. Based on available Data, the classification criteria are not met.

Sensitization
Assessment of sensitization: May cause sensitization by skin contact.

Aspiration Hazard
No aspiration hazard expected.

### Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: This product contains crystalline silica (quartz). Prolonged or repeated inhalation of respirable crystalline silica may result in silicosis.

Genetic toxicity
Assessment of mutagenicity: Capable of causing genetic defects.

Carcinogenicity
Assessment of carcinogenicity: May cause cancer.

*Information on: Titanium dioxide*
*Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed. Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation. In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. Dermal exposure is not expected to be carcinogenic.*

*Information on: Quartz (SiO2)*

*Assessment of carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed. In long-term animal studies in which the substance was given by inhalation in high doses, a carcinogenic effect was observed. The substance and its compounds in the form of respirable dusts/aerosolsis classified by the German MAK commision as a category 1 carcinogen (substances that cause cancer to humans). A carcinogenic effect cannot safely be ruled out. The inhalation uptake of the alveolar fraction of the fine dust may cause damage to the lungs. The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.*
*NTP listed carcinogen*
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Reproductive toxicity
Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Teratogenicity
Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria are not met.

Other Information
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

## 12. Ecological Information

### Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

### Persistence and degradability

Assessment biodegradation and elimination (H2O)
Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.
The polymer component of the product is poorly biodegradable.

### Bioaccumulative potential

Assessment bioaccumulation potential
Discharge into the environment must be avoided.

### Mobility in soil

Assessment transport between environmental compartments
No data available.

### Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

## 13. Disposal considerations

**Waste disposal of substance:**
Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

## 14. Transport Information

**Land transport**
TDG

Not classified as a dangerous good under transport regulations

**Sea transport**
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**
IATA/ICAO

Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

**Federal Regulations**

**Registration status:**
Chemical DSL, CA released / listed

**NFPA Hazard codes:**
Health: 2 Fire: 0 Reactivity: 0 Special:

## 16. Other Information

**SDS Prepared by:**
BASF NA Product Regulations
SDS Prepared on: 2018/10/19

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our

operations on society and the environment during production, storage, transport, use and disposal of our products.

END OF DATA SHEET