# SAFETY DATA SHEET

## 1. Identification

**Material name:** ALPHAGUARD Si 70 SILICONE TAN 5 GL
**Material:** 351226S805

**Recommended use and restriction on use**

**Recommended use:** Coatings
**Restrictions on use:** Not known.

**Manufacturer/Importer/Supplier/Distributor Information**
Tremco U.S. Roofing
3735 Green Road
Beachwood OH 44122
US

| | |
|---|---|
| **Contact person:** | EH&S Department |
| **Telephone:** | 216-292-5000 |
| **Emergency telephone number:** | 1-800-424-9300 (US); 1-613-996-6666 (Canada) |

## 2. Hazard(s) identification

**Hazard Classification**

**Physical Hazards**

| | |
|---|---|
| Flammable liquids | Category 4 |

**Health Hazards**

| | |
|---|---|
| Skin Corrosion/Irritation | Category 2 |
| Carcinogenicity | Category 1A |
| Toxic to reproduction | Category 2 |
| Specific Target Organ Toxicity - Repeated Exposure | Category 1[1.] |

**Target Organs**

1. Lung

**Unknown toxicity - Health**

| | |
|---|---|
| Acute toxicity, oral | 35 % |
| Acute toxicity, dermal | 77.5 % |
| Acute toxicity, inhalation, vapor | 100 % |
| Acute toxicity, inhalation, dust or mist | 47.5 % |

**Environmental Hazards**

| | |
|---|---|
| Acute hazards to the aquatic environment | Category 1 |
| Chronic hazards to the aquatic environment | Category 2 |

**Unknown toxicity - Environment**

| | |
|---|---|
| Acute hazards to the aquatic environment | 70 % |
| Chronic hazards to the aquatic environment | 70 % |

**Label Elements**

**Hazard Symbol:**

**Signal Word:** Danger

**Hazard Statement:**
Combustible liquid.
Causes skin irritation.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.

**Response:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. Specific treatment (see supplemental first aid instructions on this label). IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Collect spillage.

**Storage:** Store in a well-ventilated place. Keep cool. Store locked up.

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazard(s) not otherwise classified (HNOC):** None.

## 3. Composition/information on ingredients

**Mixtures**

| Chemical Identity | CAS number | Content in percent (%)* |
|---|---|---|
| Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 | 20 - <50% |
| Petroleum distillates | 64742-47-8 | 10 - <20% |
| Titanium dioxide | 13463-67-7 | 5 - <10% |
| Octamethylcyclotetrasiloxane | 556-67-2 | 1 - <3% |
| Oximino Silane | 22984-54-9 | 1 - <5% |
| Hydrogenated castor oil | 8001-78-3 | 1 - <5% |
| Iron oxide | 1309-37-1 | 1 - <2.5% |

* 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:** Move to fresh air.

**Skin Contact:** Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Ingestion:** Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**Personal Protection for First-aid Responders:** Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

**Most important symptoms/effects, acute and delayed**

**Symptoms:** Respiratory tract irritation. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

**Hazards:** No data available.

**Indication of immediate medical attention and special treatment needed**

**Treatment:** Symptoms may be delayed.

## 5. Fire-fighting measures

**General Fire Hazards:** Move containers from fire area if you can do so without risk.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

| | |
|---|---|
| **Specific hazards arising from the chemical:** | During fire, gases hazardous to health may be formed. |

**Special protective equipment and precautions for firefighters**

| | |
|---|---|
| **Special fire fighting procedures:** | No data available. |
| **Special protective equipment for fire-fighters:** | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures:** | ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
| **Accidental release measures:** | In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. |
| **Methods and material for containment and cleaning up:** | Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. |
| **Environmental Precautions:** | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. |

## 7. Handling and storage

**Handling**

| | |
|---|---|
| **Technical measures (e.g. Local and general ventilation):** | Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required. |
| **Safe handling advice:** | Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin. |
| **Contact avoidance measures:** | No data available. |
| **Hygiene measures:** | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin. |

**Storage**

**Safe storage conditions:** Store locked up. Store in a well-ventilated place. Store in a cool place.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|---|---|---|---|
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.05 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| | OSHA_ACT | 0.025 mg/m3 | US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053), as amended (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | PEL | 0.05 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable. | TWA | 2.4 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| | TWA | 0.1 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (2000) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.025 mg/m3 | US. ACGIH Threshold Limit Values, as amended (02 2020) |
| Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor | TWA | 200 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2008) |
| | TWA | 200 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2008) |
| Titanium dioxide | TWA | 10 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| Titanium dioxide - Total dust. | PEL | 15 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Titanium dioxide - Respirable fraction. | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Titanium dioxide - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Titanium dioxide - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Titanium dioxide - Total dust. | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Iron oxide - Respirable fraction. | TWA | 5 mg/m3 | US. ACGIH Threshold Limit Values, as amended (2011) |
| Iron oxide - Fume. | PEL | 10 mg/m3 | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006) |
| Iron oxide - Total dust. | TWA | 50 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| Iron oxide - Respirable fraction. | TWA | 5 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |
| | TWA | 15 millions of particles per cubic foot of air | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |

| | | | |
|---|---|---|---|
| Iron oxide - Total dust. | TWA | 15 mg/m3 | US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016) |

| Chemical name | Type | Exposure Limit Values | Source |
|---|---|---|---|
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (06 2015) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable dust. | TWA | 0.1 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Crystalline Silica (Quartz)/ Silica Sand - Respirable fraction. | TWA | 0.025 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (06 2020) |
| Petroleum distillates | TWA | 525 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (12 2007) |
| Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor | TWA | 200 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Petroleum distillates - Non-aerosol. - as total hydrocarbon vapor | TWA | 200 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| | TWA | 200 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |

| | | | |
|---|---|---|---|
| Titanium dioxide - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Titanium dioxide - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Titanium dioxide | TWA | 10 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (11 2010) |
| Titanium dioxide - Total dust. | TWA | 10 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Iron oxide - Total dust. | TWA | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Iron oxide - Dust. - as Fe | TWA | 5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Iron oxide - Fume. - as Fe | STEL | 10 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Iron oxide - Respirable fraction. | TWA | 3 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Iron oxide - Fume. - as Fe | TWA | 5 mg/m3 | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Biological Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Iron oxide - Dust and fume. - as Fe | TWA | 5 mg/m3 | Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended (09 2017) |
| Iron oxide - Respirable fraction. | TWA | 5 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended (01 2020) |

**Appropriate Engineering Controls** Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

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

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:** Additional Information: Use suitable protective gloves if risk of skin contact.

**Skin and Body Protection:** Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

| | |
|---|---|
| **Hygiene measures:** | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not smoke. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash contaminated clothing before reuse. Avoid contact with skin. |

## 9. Physical and chemical properties

**Appearance**

| | |
|---|---|
| **Physical state:** | liquid |
| **Form:** | liquid |
| **Color:** | Tan |
| **Odor:** | Mild petroleum/solvent |
| **Odor threshold:** | No data available. |
| **pH:** | No data available. |
| **Melting point/freezing point:** | No data available. |
| **Initial boiling point and boiling range:** | 154 °C 309 °F |
| **Flash Point:** | 63 °C 145 °F |
| **Evaporation rate:** | Slower than Ether |
| **Flammability (solid, gas):** | No |
| **Upper/lower limit on flammability or explosive limits** | |
| **Flammability limit - upper (%):** | No data available. |
| **Flammability limit - lower (%):** | No data available. |
| **Explosive limit - upper:** | No data available. |
| **Explosive limit - lower:** | No data available. |
| **Vapor pressure:** | No data available. |
| **Vapor density:** | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| **Relative density:** | 1.24 |
| **Solubility(ies)** | |
| **Solubility in water:** | Practically Insoluble |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water):** | No data available. |
| **Auto-ignition temperature:** | No data available. |
| **Decomposition temperature:** | No data available. |
| **Viscosity:** | No data available. |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity:** | No data available. |
| **Chemical Stability:** | Material is stable under normal conditions. |
| **Possibility of hazardous reactions:** | No data available. |
| **Conditions to avoid:** | Heat, sparks, flames. |

| | |
|---|---|
| **Incompatible Materials:** | Strong acids. Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). Strong bases. |
| **Hazardous Decomposition Products:** | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation:** | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| **Skin Contact:** | May be harmful in contact with skin. Causes skin irritation. |
| **Eye contact:** | Eye contact is possible and should be avoided. |
| **Ingestion:** | May be harmful if swallowed. |

**Symptoms related to the physical, chemical and toxicological characteristics**

| | |
|---|---|
| **Inhalation:** | No data available. |
| **Skin Contact:** | No data available. |
| **Eye contact:** | No data available. |
| **Ingestion:** | No data available. |

**Information on toxicological effects**

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

**Oral**
**Product:** ATEmix: 3,413.87 mg/kg

**Dermal**
**Product:** ATEmix: 2,250 mg/kg

**Inhalation**
**Product:** ATEmix: 15.05 mg/l

**Repeated dose toxicity**
**Product:** No data available.

**Skin Corrosion/Irritation**
**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Petroleum distillates | in vivo (Rabbit): Irritating , 24 - 72 h |
| Titanium dioxide | in vivo (Rabbit): Not irritant , 24 h |
| Octamethylcyclotetrasiloxane | in vivo (Rabbit): Not irritant |
| Oximino Silane | in vivo (Rabbit): Not irritant , 24 - 72 h |
| Hydrogenated castor oil | in vivo (Rabbit): Not irritant , 24 - 72 h |
| Iron oxide | in vivo (Rabbit): Not irritant , 24 - 72 h |

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Petroleum distillates | Rabbit, 24 - 72 hrs: Not irritating |
| Titanium dioxide | Rabbit, 24 hrs: Not irritating |
| Hydrogenated castor oil | Rabbit, 24 - 72 hrs: Not irritating |

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

| | |
|---|---|
| Crystalline Silica (Quartz)/ Silica Sand | Overall evaluation: Carcinogenic to humans. |
| Titanium dioxide | Overall evaluation: Possibly carcinogenic to humans. |

**US. National Toxicology Program (NTP) Report on Carcinogens:**

| | | |
|---|---|---|
| Crystalline (Quartz)/ Sand | Silica Silica | Known To Be Human Carcinogen. |

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

| | |
|---|---|
| Crystalline Silica (Quartz)/ Silica Sand | Cancer |

**Germ Cell Mutagenicity**

**In vitro**
**Product:** No data available.

**In vivo**
**Product:** No data available.

**Reproductive toxicity**
**Product:** Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**
**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** No data available.

**Target Organs**
Specific Target Organ Toxicity - Repeated Exposure: Lung

**Aspiration Hazard**
**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**
**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Petroleum distillates | LL 50 (Oncorhynchus mykiss, 48 h): 23 mg/l Experimental result, Supporting study |
| Titanium dioxide | LC 50 (Pimephales promelas, 96 h): 8.2 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study |
| Octamethylcyclotetrasiloxane | LC 50 (Oncorhynchus mykiss, 96 h): > 22 µg/l Experimental result, Key study |
| Oximino Silane | LC 50 (96 h): > 100 mg/l Experimental result, Key study |
| Hydrogenated castor oil | LC 50 (Danio rerio, 96 h): > 10,000 mg/l Experimental result, Key study |
| Iron oxide | LC 50 (Pimephales promelas, 96 h): 3.66 mg/l Experimental result, |

| | |
|---|---|
| | Supporting study<br>LC 90 (Danio rerio, 96 h): 100,000 mg/l Experimental result, Key study |

**Aquatic Invertebrates**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Petroleum distillates | EC 50 (Daphnia magna, 48 h): 1.4 mg/l Experimental result, Key study |
| Titanium dioxide | EC 50 (Water flea (Daphnia magna), 48 h): > 1,000 mg/l Intoxication |
| Oximino Silane | EC 50 (Daphnia magna, 48 h): 201 mg/l Experimental result, Key study |
| Hydrogenated castor oil | EC 50 (Daphnia magna, 48 h): > 100 mg/l Read-across based on grouping of substances (category approach), Key study |
| Iron oxide | EC 50 (Daphnia magna, 48 h): > 100 mg/l Experimental result, Key study |

**Chronic hazards to the aquatic environment:**

**Fish**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Oximino Silane | NOAEL (Oryzias latipes): 50 mg/l Experimental result, Key study |

**Aquatic Invertebrates**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Petroleum distillates | NOAEL (Daphnia magna): 0.48 mg/l Experimental result, Key study |
| Octamethylcyclotetrasiloxane | NOAEL (Daphnia magna): 7.9 µg/l Experimental result, Key study |
| Oximino Silane | NOAEL (Daphnia magna): >= 100 mg/l Experimental result, Key study |
| Iron oxide | LC 50 (Daphnia magna): 5.9 mg/l Experimental result, Supporting study |

**Toxicity to Aquatic Plants**

| | |
|---|---|
| **Product:** | No data available. |

**Persistence and Degradability**

**Biodegradation**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | 3.7 % (29 d) Detected in water. Experimental result, Key study |
| Oximino Silane | 28 % (28 d) Detected in water. Experimental result, Key study |
| Hydrogenated castor oil | 64 % Detected in water. Experimental result, Key study |

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | Fathead minnow (Pimephales promelas), Bioconcentration Factor (BCF): 14,261 (Flow through)<br>Pimephales promelas, Aquatic sediment Experimental result, Key study |
| Oximino Silane | Cyprinus carpio, Bioconcentration Factor (BCF): 0.5 - 0.6 Aquatic sediment Experimental result, Key study |

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

**Product:** No data available.

**Specified substance(s):**

| | |
|---|---|
| Octamethylcyclotetrasiloxane | Log Kow: 5.10 |
| Oximino Silane | Log Kow: 0.59 - 0.65 20 °C No Experimental result, Supporting study |

**Mobility in soil:** No data available.

**Other adverse effects:** Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

## 13. Disposal considerations

**Disposal methods:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Contaminated Packaging:** No data available.

## 14. Transport information

**TDG:**

Not Regulated

**CFR / DOT:**

Not Regulated

**IMDG:**

Not Regulated

## 15. Regulatory information

**US Federal Regulations**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

| Chemical Identity | Reportable quantity |
|---|---|
| Octamethylcyclotetrasiloxane | De minimis concentration: TSCA 4% One-Time Export Notification only. |

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

| Chemical Identity | OSHA hazard(s) |
|---|---|
| Crystalline Silica (Quartz)/ Silica Sand | kidney effects<br>lung effects<br>immune system effects<br>Cancer |

**CERCLA Hazardous Substance List (40 CFR 302.4):**

| Chemical Identity | Reportable quantity |
|---|---|
| Petroleum distillates | 100 lbs. |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Fire Hazard
Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard
Flammable (gases, aerosols, liquids, or solids)
Skin Corrosion or Irritation
Carcinogenicity
Reproductive toxicity
Specific target organ toxicity (single or repeated exposure)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

Not regulated.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**

**US. California Proposition 65**

**WARNING**
Cancer - www.P65Warnings.ca.gov

**US. New Jersey Worker and Community Right-to-Know Act**

**Chemical Identity**
Polydimethylsiloxane-hydroxy terminated
Crystalline Silica (Quartz)/ Silica Sand
Petroleum distillates
Titanium dioxide
Oximino Silane
Octamethylcyclotetrasiloxane
Hydrogenated castor oil
Iron oxide

**US. Massachusetts RTK - Substance List**

**Chemical Identity**
Crystalline Silica (Quartz)/ Silica Sand
Petroleum distillates
Titanium dioxide

**US. Pennsylvania RTK - Hazardous Substances**

**Chemical Identity**
Crystalline Silica (Quartz)/ Silica Sand
Petroleum distillates
Titanium dioxide

**US. Rhode Island RTK**

**Chemical Identity**
Crystalline Silica (Quartz)/ Silica Sand
Petroleum distillates
Titanium dioxide

**International regulations**

**Montreal protocol**
Not applicable

**Stockholm convention**
Not applicable

**Rotterdam convention**
Not applicable

**Kyoto protocol**
Not applicable

**VOC:**

| | | |
|---|---|---|
| Regulatory VOC (less water and exempt solvent) | : | 205 g/l |
| VOC Method 310 | : | 16.50 % |

**Inventory Status:**

| | |
|---|---|
| Canada DSL Inventory List: | All components in this product are listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List: | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | All components in this product are listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI): | All components in this product are listed on or exempt from the Inventory. |
| Canada NDSL Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS: | All components in this product are listed on or exempt from the Inventory. |
| US TSCA Inventory: | All components in this product are listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | All components in this product are listed on or exempt from the Inventory. |
| Japan ISHL Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Mexico INSQ: | One or more components in this product are not listed on or exempt from the Inventory. |
| Ontario Inventory: | One or more components in this |

| | |
|---|---|
| | product are not listed on or exempt from the Inventory. |
| Taiwan Chemical Substance Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Australia Industrial Chem. Act (AIIC): | One or more components in this product are not listed on or exempt from the Inventory. |
| Switzerland New Subs Notified/Registered: | One or more components in this product are not listed on or exempt from the Inventory. |
| Thailand DIW Existing Chemical Inv. List: | One or more components in this product are not listed on or exempt from the Inventory. |
| Vietnam National Chemical Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |

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

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| **Revision Date:** | 01/06/2022 |
| **Version #:** | 1.1 |
| **Further Information:** | No data available. |
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