

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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Version: 5.0

### SECTION 1: Identification

#### 1.1. Identification

|              |                    |
|--------------|--------------------|
| Product form | Mixture            |
| Trade name   | CFS-SP SIL         |
| Product code | BU Fire Protection |

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

|                              |                               |
|------------------------------|-------------------------------|
| Use of the substance/mixture | Firestop silicone joint spray |
|------------------------------|-------------------------------|

#### 1.4. Supplier's details

##### Supplier

Hilti, Inc.  
Legacy Tower, Suite 1000  
7250 Dallas Parkway  
US TX 75024 Plano  
USA  
T +1 9724035800  
1-800-879-8000 toll free, F +1 918 254 0522  
[us-sales@hilti.com](mailto:us-sales@hilti.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircher Strasse  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-fire.protection@hilti.com](mailto:product.compliance-fire.protection@hilti.com)

#### 1.5. Emergency phone number

|                  |  |
|------------------|--|
| Emergency number | Emergency CONTACT (24-Hour-Number)<br>GBK/Infotrac ID 101022<br>(USA domestic) 1 800 535 5053<br>or international (001) 352 323 3500 |
|------------------|--|

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

|   |      |                                      |
|---|------|--------------------------------------|
| Skin sensitization, Category 1            | H317 | May cause an allergic skin reaction. |
| Carcinogenicity, Category 1B              | H350 | May cause cancer.                    |
| Full text of H-statements: see section 16 |      |                                      |

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US)  
Hazard statements (GHS US)

Danger  
H317 - May cause an allergic skin reaction  
H350 - May cause cancer.

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Precautionary statements (GHS US)

P261 - Avoid breathing vapours, mist.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P302+P352 - If on skin: Wash with plenty of water.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %       | GHS-US classification  |
|--|---------------------|---------|--|
| Calcium carbonate  | CAS-No.: 1317-65-3  | 40 – 60 | Not classified   |
| butan-2-one O,O',O''-(methylsilylidyne)trioxime                    | CAS-No.: 22984-54-9 | 1 – 2.5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317  |
| Vinyltris(methylethylketoxime)silane                               | CAS-No.: 2224-33-1  | 0.1 – 1 | Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT RE 2, H373  |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | CAS-No.: 96-29-7    | 0.1 – 1 | Flam. Liq. 4, H227<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Carc. 1B, H350<br>STOT SE 1, H370<br>STOT SE 3, H336<br>STOT RE 2, H373 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

|                                       |   |
|---------------------------------------|---|
| First-aid measures after skin contact | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. Wash skin with plenty of water.  |
| First-aid measures after eye contact  | Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. |
| First-aid measures after ingestion    | Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.   |

### 4.2. Most important symptoms and effects (acute and delayed)

|   |   |
|---|---|
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |
| Symptoms/effects after inhalation                   | May cause an allergic skin reaction.                              |
| Symptoms/effects after skin contact                 | May cause an allergic skin reaction.                              |
| Symptoms/effects after eye contact                  | None under normal conditions.                                     |
| Symptoms/effects after ingestion                    | None under normal conditions.                                     |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | Do not use a heavy water stream.                     |

### 5.2. Specific hazards arising from the chemical

|  |                              |
|--|------------------------------|
| Fire hazard                                      | No fire hazard.              |
| Explosion hazard                                 | No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | Toxic fumes may be released. |

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                              |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |   |
|------------------|---|
| General measures | Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

#### For non-emergency personnel

|                      |   |
|----------------------|---|
| Protective equipment | Wear recommended personal protective equipment.   |
| Emergency procedures | Evacuate unnecessary personnel. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray. |

#### For emergency responders

|                      |  |
|----------------------|--|
| Protective equipment | Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.  |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Environmental precautions Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Notify authorities if product enters sewers or public waters.

### 6.2. Methods and materials for containment and cleaning up

For containment Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information Notify authorities if product enters sewers or public waters.

Dispose of materials or solid residues at an authorized site.

See Section 8, Exposure controls and personal protection, For further information refer to section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes.

Hygiene measures Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures Keep in a cool, well-ventilated place away from heat.

Storage conditions Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store locked up.

Incompatible products Strong bases. Strong acids.

Incompatible materials Sources of ignition. Direct sunlight.

Storage temperature 35 – 77 °F

Packaging materials Store always product in container of same material as original container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| CFS-SP SIL                                |                                       |
|---|---------------------------------------|
| No additional information available       |                                       |
| Calcium carbonate (1317-65-3)             |                                       |
| No additional information available       |                                       |
| USA - OSHA - Occupational Exposure Limits |                                       |
| Local name                                | Calcium Carbonate (Limestone; Marble) |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| Calcium carbonate (1317-65-3)  |  |
|--|--|
| OSHA PEL TWA   | 15 mg/m <sup>3</sup> (Total dust)<br>5 mg/m <sup>3</sup> (Respirable fraction) |
| Regulatory reference (US-OSHA)   | OSHA Annotated Table Z-1   |
| Vinyltris(methylethylketoxime)silane (2224-33-1)                             |  |
| No additional information available  |  |
| butan-2-one O,O',O''-(methylsilyldiyl)trioxime (22984-54-9)                  |  |
| No additional information available  |  |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |  |
| No additional information available  |  |

Additional information

The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

### 8.2. Appropriate engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

Environmental exposure controls

Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Wear respiratory protection.

|   |  |                   |                        |                    |
|---|--|-------------------|------------------------|--------------------|
| <b>Hand protection:</b>   |  |                   |                        |                    |
| Wear protective gloves. Suitable for short-term work or as a splash guard:<br>Nitrile rubber gloves (> 0.2 mm). In case of repeated or prolonged exposure :   |  |                   |                        |                    |
| <b>Type</b>   | <b>Material</b>                                  | <b>Permeation</b> | <b>Thickness (mm)</b>  | <b>Penetration</b> |
| Disposable gloves   | Nitrile rubber (NBR)                             | 1 (> 10 minutes)  | >0,4                   |                    |
| <b>Eye protection:</b>  |  |                   |                        |                    |
| Chemical goggles or safety glasses. Safety glasses  |  |                   |                        |                    |
| <b>Type</b>   | <b>Field of application</b>                      |                   | <b>Characteristics</b> |                    |
| Safety glasses  |  |                   |                        |                    |
| <b>Skin and body protection:</b>  |  |                   |                        |                    |
| Wear suitable protective clothing   |  |                   |                        |                    |
| <b>Respiratory protection:</b>  |  |                   |                        |                    |
| Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In order to avoid inhalation of mist/vapour, all spraying must be done wearing adequate respirator. [In case of inadequate ventilation] wear respiratory protection. |  |                   |                        |                    |
| <b>Device</b>   | <b>Filter type</b>                               |                   | <b>Condition</b>       |                    |
|   | Type A - High-boiling (>65 °C) organic compounds |                   |                        |                    |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                            |
|---|----------------------------|
| Physical state                                  | Liquid                     |
| Appearance                                      | Pasty.                     |
| Colour  | white                      |
| Odour   | characteristic             |
| Odour threshold                                 | No data available          |
| pH  | Not applicable.            |
| Melting point                                   | Not applicable             |
| Freezing point                                  | No data available          |
| Boiling point                                   | > 35 °C                    |
| Flash point                                     | > 93 °C Not applicable.    |
| Relative evaporation rate (butylacetate=1)      | No data available          |
| Flammability (solid, gas)                       | ≈ 435 °C<br>Non flammable. |
| Vapour pressure                                 | No data available          |
| Relative vapour density at 20°C                 | No data available          |
| Relative density                                | No data available          |
| Density   | 1.3 g/cm <sup>3</sup>      |
| Solubility                                      | insoluble in water.        |
| Partition coefficient n-octanol/water (Log Pow) | No data available          |
| Auto-ignition temperature                       | No data available          |
| Decomposition temperature                       | No data available          |
| Viscosity, kinematic                            | No data available          |
| Viscosity, dynamic                              | No data available          |
| Explosive limits                                | No data available          |
| Explosive properties                            | Product is not explosive.  |
| Oxidising properties                            | No data available          |

### 9.2. Other information

|             |  |
|-------------|--|
| VOC content | 72.84 g/l ASTM D 2369 – 20, SCAQMD 1113 / fire-proofing coating (l limit 150g/L) |
|-------------|--|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                |
|-----------------------------|----------------|
| Acute toxicity (oral)       | Not classified |
| Acute toxicity (dermal)     | Not classified |
| Acute toxicity (inhalation) | Not classified |

#### Calcium carbonate (1317-65-3)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
|---------------|--------------|

#### Vinyltris(methylethylketoxime)silane (2224-33-1)

|                 |  |
|-----------------|--|
| LD50 oral rat   | > 2000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Male, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat | > 2009 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))     |

#### butan-2-one O,O',O''-(methylsilyldiylidene)trioxime (22984-54-9)

|                 |  |
|-----------------|--|
| LD50 oral rat   | 2463 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))             |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |

#### 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7)

|                                   |   |
|-----------------------------------|---|
| LD50 oral rat                     | 2326 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral)                                    |
| LD50 oral                         | 930 mg/kg   |
| LD50 dermal rabbit                | > 1000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))   |
| LD50 dermal                       | > 1000 mg/kg  |
| LC50 Inhalation - Rat             | > 4.83 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| LC50 Inhalation - Rat (Dust/Mist) | 20 mg/l/4h  |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Skin corrosion/irritation         | Not classified<br>pH: Not applicable. |
| Serious eye damage/irritation     | Not classified<br>pH: Not applicable. |
| Respiratory or skin sensitisation | May cause an allergic skin reaction.  |
| Germ cell mutagenicity            | Not classified                        |
| Carcinogenicity                   | May cause cancer.                     |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

|                       |                |
|-----------------------|----------------|
| Reproductive toxicity | Not classified |
| STOT-single exposure  | Not classified |

| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |   |
|--|---|
| STOT-single exposure   | Causes damage to organs. May cause drowsiness or dizziness. |

|                        |                |
|------------------------|----------------|
| STOT-repeated exposure | Not classified |
|------------------------|----------------|

| Vinyltris(methylethylketoxime)silane (2224-33-1) |  |
|--|--|
| STOT-repeated exposure                           | May cause damage to organs through prolonged or repeated exposure. |

| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |  |
|--|--|
| STOT-repeated exposure   | May cause damage to organs through prolonged or repeated exposure. |

|   |   |
|---|---|
| Aspiration hazard                                   | Not classified  |
| Viscosity, kinematic                                | No data available   |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |
| Symptoms/effects after inhalation                   | May cause an allergic skin reaction.                              |
| Symptoms/effects after skin contact                 | May cause an allergic skin reaction.                              |
| Symptoms/effects after eye contact                  | None under normal conditions.                                     |
| Symptoms/effects after ingestion                    | None under normal conditions.                                     |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | Harmful to aquatic life with long lasting effects. |
|-------------------|--|

| Calcium carbonate (1317-65-3) |  |
|-------------------------------|--|
| LC50 - Fish [1]               | > 10000 mg/l (Oncorhynchus mykiss (rainbow trout)) |
| EC50 - Crustacea [1]          | > 1000 mg/l (Daphnia magna (Water flea))           |
| EC50 72h - Algae [1]          | 289 mg/l Desmodesmus subspicatus (green algae)     |
| NOEC chronic algae            | 75 mg/l  |

| Vinyltris(methylethylketoxime)silane (2224-33-1) |  |
|--|--|
| LC50 - Fish [1]                                  | 1011.11 mg/l (96 h, Pisces, Fresh water, Read-across)  |
| EC50 - Crustacea [1]                             | 241.08 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia sp., Fresh water, Read-across) |
| EC50 72h - Algae [1]                             | 19.19 mg/l (Algae, Fresh water, Read-across, Growth rate)  |

| butan-2-one O,O'-(methylsilyldiyl)trioxime (22984-54-9) |  |
|---|--|
| LC50 - Fish [1]   | ≈ 972.34 mg/l (Pimephales promelas) (freshwater, stat., anal. OECD 203, read-across) |
| EC50 - Crustacea [1]                                    | 231.84 mg/l (Daphnia magna) (freshwater, stat., OECD 202, read-across)               |

| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |   |
|--|---|
| LC50 - Fish [1]  | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 - Crustacea [1]   | 201 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)   |



# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |  |
|--|--|
| ErC50 algae  | 11.8 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, Nominal concentration) |

### 12.2. Persistence and degradability

| CFS-SP SIL   |   |
|--|---|
| Persistence and degradability  | Not established.  |
| Vinyltris(methylethylketoxime)silane (2224-33-1)                             |   |
| Not rapidly degradable   |   |
| Persistence and degradability  | Not readily biodegradable in water.                           |
| butan-2-one O,O',O''-(methylsilyldiylne)trioxime (22984-54-9)                |   |
| Not rapidly degradable   |   |
| Persistence and degradability  | Not readily biodegradable in water.                           |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |   |
| Not rapidly degradable   |   |
| Persistence and degradability  | Not readily biodegradable in water. Inherently biodegradable. |

### 12.3. Bioaccumulative potential

| CFS-SP SIL   |  |
|--|--|
| Bioaccumulative potential  | Not established.   |
| Vinyltris(methylethylketoxime)silane (2224-33-1)                             |  |
| BCF - Other aquatic organisms [1]  | 364.8 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)   |
| Partition coefficient n-octanol/water (Log Pow)                              | 10.19 (Estimated value, KOWWIN)  |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).   |
| butan-2-one O,O',O''-(methylsilyldiylne)trioxime (22984-54-9)                |  |
| BCF - Fish [1]   | 0.5 – 5.8 (6 week(s), Cyprinus carpio, Flow-through system, Experimental value)  |
| Partition coefficient n-octanol/water (Log Pow)                              | 0.36 (Experimental value)  |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).   |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |  |
| BCF - Fish [1]   | 0.5 – 5.8 (OECD 305: Bioconcentration: Flow-Through Fish Test, 42 day(s), Cyprinus carpio, Fresh water, Experimental value, GLP) |
| Partition coefficient n-octanol/water (Log Pow)                              | 0.63 (Experimental value, Equivalent or similar to OECD 117)   |
| Bioaccumulative potential  | Low potential for bioaccumulation (BCF < 500).   |

### 12.4. Mobility in soil

| Vinyltris(methylethylketoxime)silane (2224-33-1)           |  |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 5.773 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| Vinyltris(methylethylketoxime)silane (2224-33-1)                             |  |
|--|--|
| Ecology - soil   | Adsorbs into the soil.                               |
| butan-2-one O,O',O''-(methylsilyldiylne)trioxime (22984-54-9)                |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                   | 5.481 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil   | Adsorbs into the soil.                               |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime (96-29-7) |  |
| Surface tension  | 30.29 mN/m (16 °C)                                   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                   | 0.55 (log Koc, SRC PCKOCWIN v2.0, QSAR)              |
| Ecology - soil   | Highly mobile in soil.                               |

### 12.5. Other adverse effects

Other information Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|  |  |
|--|--|
| Regional waste regulation                  | Disposal must be done according to official regulations.   |
| Waste treatment methods                    | Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Sewage disposal recommendations            | Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations. |
| Additional information                     | Do not re-use empty containers.  |
| Ecological waste information               | Avoid release to the environment.  |

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                              | TDG            | IMDG           | IATA           |
|----------------------------------|----------------|----------------|----------------|
| 14.1. UN number                  |                |                |                |
| Not applicable                   | Not applicable | Not applicable | Not applicable |
| 14.2. Proper Shipping Name       |                |                |                |
| Not applicable                   | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) |                |                |                |
| Not applicable                   | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group              |                |                |                |
| Not applicable                   | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards      |                |                |                |
| Not applicable                   | Not applicable | Not applicable | Not applicable |

# CFS-SP SIL

## Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

| DOT                                    | TDG | IMDG | IATA |
|--|-----|------|------|
| No supplementary information available |     |      |      |

### 14.6. Special precautions for user

#### DOT

Not applicable

#### TDG

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

| CFS-SP SIL  |     |
|---|-----|
| U.S. - California - Proposition 65 - Carcinogens List               | No  |
| U.S. - California - Proposition 65 - Developmental Toxicity         | Yes |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Female | No  |
| U.S. - California - Proposition 65 - Reproductive Toxicity - Male   | No  |

#### WARNING:

This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date

10/27/2025

Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

None.

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| Full text of hazard classes and H-statements |   |
|--|---|
| H227   | Combustible liquid  |
| H301   | Toxic if swallowed  |
| H312   | Harmful in contact with skin                                      |
| H315   | Causes skin irritation  |
| H317   | May cause an allergic skin reaction                               |
| H318   | Causes serious eye damage   |
| H319   | Causes serious eye irritation                                     |
| H336   | May cause drowsiness or dizziness                                 |
| H350   | May cause cancer.   |
| H370   | Causes damage to organs.  |
| H373   | May cause damage to organs through prolonged or repeated exposure |

| Abbreviations and acronyms |   |
|----------------------------|---|
| ACGIH                      | American Conference of Government Industrial Hygienists   |
| ADN                        | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                        | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                        | Acute Toxicity Estimate   |
| BCF                        | Bioconcentration factor   |
| BLV                        | Biological limit value  |
| BOD                        | Biochemical oxygen demand (BOD)   |
| CAS-No.                    | Chemical Abstract Service number  |
| CLP                        | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD                        | Chemical oxygen demand (COD)  |
| CSA                        | Chemical safety assessment  |
| DMEL                       | Derived Minimal Effect level  |
| DNEL                       | Derived-No Effect Level   |
| EC-No.                     | European Community number   |
| EC50                       | Median effective concentration  |
| ED                         | Endocrine disruptor   |
| EN                         | European Standard   |
| EWC                        | European waste catalogue  |
| IARC                       | International Agency for Research on Cancer   |
| IATA                       | International Air Transport Association   |

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| Abbreviations and acronyms |  |
|----------------------------|--|
| IMDG                       | International Maritime Dangerous Goods                                       |
| LC50                       | Median lethal concentration  |
| LD50                       | Median lethal dose   |
| LOAEL                      | Lowest Observed Adverse Effect Level   |
| Log Kow                    | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow                    | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK                        | maximum workplace concentration  |
| NOAEC                      | No-Observed Adverse Effect Concentration                                     |
| NOAEL                      | No-Observed Adverse Effect Level   |
| NOEC                       | No-Observed Effect Concentration   |
| N.O.S.                     | Not Otherwise Specified  |
| OECD                       | Organisation for Economic Co-operation and Development                       |
| OEL                        | Occupational Exposure Limit  |
| OSHA                       | Occupational Safety Health Administration                                    |
| PBT                        | Persistent Bioaccumulative Toxic   |
| PNEC                       | Predicted No-Effect Concentration  |
| PPE                        | Personal protection equipment  |
| RID                        | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                        | Safety Data Sheet  |
| STP                        | Sewage treatment plant   |
| TF                         | Technical function   |
| ThOD                       | Theoretical oxygen demand (ThOD)   |
| TLM                        | Median Tolerance Limit   |
| TWA                        | Time Weighted Average  |
| VOC                        | Volatile Organic Compounds   |
| vPvB                       | Very Persistent and Very Bioaccumulative                                     |
| UFI                        | Unique Formula Identifier  |

| Indication of changes: |              |          |  |
|------------------------|--------------|----------|--|
| Section                | Changed item | Change   | Comments   |
|                        |              | Modified | according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) |

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.