CFS-S SIL SL / CFS-S SIL GG

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)
Issue date: 10/27/2025 Revision date: 10/27/2025 Supersedes: 05/23/2025 Version: 4.0

SECTION 1: Identification

1.1. Product identifier

Product form	Mixture
Product name	CFS-S SIL SL / CFS-S SIL GG
Type of product	Sealants
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

Recommended use	For professional users only

1.4. Supplier's details

Supplier
Hilti (Canada) Corp.
2201 Bristol Circle
Suite 700
CA L6H 0J8 Oakville, Ontario
Canada
T +1905 8139200
1-800-363-4458 toll free, F +1 905 813 9009
ca-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

1.5. Emergency telephone number

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

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Reproductive toxicity, Category 2	H361	Suspected of damaging fertility or the unborn child
Hazardous to the aquatic environment, Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)

Signal word (GHS CA) Warning

Hazard statements (GHS CA)	H317 - May cause an allergic skin reaction H361 - Suspected of damaging fertility or the unborn child H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS CA)	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 or attention. P273 - Avoid release to the environment.

2.3. Other hazards

Other hazards which do not result in classification: In use the product releases 2-butanone oxime (methyl ethyl ketoxime; MEKO) (0-24h: <0.2%/h & 24-48h: <0.02%/h) which vaporises.
In cases of prolonged exposure MEKO may damage nasal membranes. If MEKO is inhaled in large quantities over prolonged periods of time
there may be irreversible damage to health:
H351: Suspected of causing cancer.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Calcium carbonate	-	CAS-No.: 1317-65-3	25 – 80	Not classified
Titanium dioxide	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	CAS-No.: 13463-67-7	1 – 10	Not classified
butan-2-one O,O',O''-(methylsilylidyne)trioxime	-	CAS-No.: 22984-54-9	2.5 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Quartz (SiO2)	quartz / quartz (SiO2)	CAS-No.: 14808-60-7	1 – 2.5	Carc. 1A, H350 STOT RE 1, H372
Aluminium oxide	-	CAS-No.: 1344-28-1	0.1 – 2.5	Not classified
octamethylcyclotetrasiloxane; [D4]	octamethylcyclotetrasiloxane; [D4] D4	CAS-No.: 556-67-2	0.1 – 1	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410 Aquatic Chronic 1, H410

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 after inhalation: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Call a poison center or a doctor if you feel unwell.
First-aid measures general	If you feel unwell, seek medical advice.

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

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.
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Specific hazards arising from the hazardous product

Fire hazard	No fire hazard.
Explosion hazard	No direct explosion hazard.
Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.

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 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.

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	:	Mechanically recover the product.
Other information	:	Dispose of materials or solid residues at an authorized site.

For further information refer to section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Additional hazards when processed	Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	Keep in a cool, well-ventilated place away from heat.
Storage conditions	Store in a dry place.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	1.5 – 40 °C
Packaging materials	Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Titanium dioxide (13463-67-7)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Titanium dioxide
VEMP (OEL TWAEV)	10 mg/m³ Td
Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³ Total dust 3 mg/m³ Respirable fraction
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)

Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³
Notations and remarks	LRT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWAEV	10 mg/m³
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - R.R.O. 1990, Reg. 833: Control of exposure to biological or chemical agents
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Titanium dioxide

OEL TWA	0.2 mg/m³ (Nanoscale particles. R - Repirable particulate matter) 2.5 mg/m³ (Finescale particles. R - Repirable particulate matter)
Notations and remarks	TLV® Basis: LRT irr; pneumoconiosis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Calcium carbonate (1317-65-3)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Limestone (Calcium carbonate)
OEL TWA	10 mg/m³
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Calcium carbonate (Limestone (Marble))
VEMP (OEL TWAEV)	10 mg/m³ Td
Notations and remarks	Note 1: The standard corresponds to dust containing no asbestos and the percentage in crystalline silica is less than 1%
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Calcium carbonate (incl. Limestone, Marble)
OEL TWA	10 mg/m³ Total dust 3 mg/m³ Respirable fraction
OEL STEL	20 mg/m³
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m³

OEL STEL	20 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Limestone (calcium carbonate)
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Quartz (SiO2) (14808-60-7)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Silica-Crystalline: Quartz
OEL TWA	0.025 mg/m³ Respirable particulate
Notations and remarks	Carcinogenicity A2
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Silica - Crystalline, Quartz
VEMP (OEL TWAEV)	0.1 mg/m³ Rd
Notations and remarks	C2, EM
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Silica, Crystalline - alpha quartz
OEL TWA	0.025 mg/m³ Respirable
Notations and remarks	ACGIH Carcinogenicity category A2; IARC group 1 carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Silica, crystalline, quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Silica, crystalline, quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Silica, crystalline, quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)

Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m³ (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m³ (respirable fraction)
Notations and remarks	Designated substance
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Silica, Crystalline - Quartz
OEL TWAEV	0.1 mg/m³ (R - Respirable fraction)
Regulatory reference	Occupational Health and Safety Act, R.S.O. 1990, c. O.1 - O. Reg. 490/09: Designated substances
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Silica, crystalline, quartz
OEL TWA	0.025 mg/m³ (R - Respirable particulate matter)
Notations and remarks	TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Silica - Crystalline: Quartz
OEL TWA	0.05 mg/m³ (respirable fraction)
Notations and remarks	Designated Chemical Substance
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

Aluminium oxide (1344-28-1)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Aluminum oxide (Alumina)
OEL TWA	10 mg/m³
Regulatory reference	Alberta Regulation 191/2021
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Aluminum oxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³

Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Aluminum oxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Aluminum oxide
OEL TWA	10 mg/m³
OEL STEL	20 mg/m³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

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:
Protective clothing. Safety glasses. Gloves.

Hand protection:

Wear protective gloves/protective clothing/eye protection/face protection. Suitable for short-term work or as a splash guard:
Nitrile rubber gloves (> 0.2 mm). In case of permanent product contact:

Type	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Nitrile rubber (NBR)	1 (> 10 minutes)	>0.4	

Eye protection:

Chemical goggles or safety glasses. Use eye protection according to EN 166. ISO 16321-1

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Avoid breathing dust, mist or spray. In case of dust formation use respirator with filter: Dust production: dust mask with filter type P2

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	red white Grey
Odour	odourless
Odour threshold	Not determined
pH	8.5
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Molecular mass	Not determined
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	412 °F
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	1.38 g/cm³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Explosive limits	No data available

9.2. Other information

VOC content	41 g/l ASTM D 2369 – 20, SCAQMD 1168 / All Other Architectural Sealants (llimit 50g/L)

SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Not established.
Conditions to avoid	None under recommended storage and handling conditions (see section 7).
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	No additional information available

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

Titanium dioxide (13463-67-7)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 6.82 mg/l/4h

Calcium carbonate (1317-65-3)	
LD50 oral rat	> 5000 mg/kg

octamethylcyclotetrasiloxane; [D4] (556-67-2)	
LD50 oral rat	> 4800 mg/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral)
LD50 oral	5000 mg/kg
LD50 dermal rat	> 2400 mg/kg bodyweight (Equivalent or similar to OECD 402, Rat, Male / female, Experimental value, Dermal)
LD50 dermal	2400 mg/kg
LC50 Inhalation - Rat	36 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol))

butan-2-one O,O',O''-(methylsilylidyne)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))

Aluminium oxide (1344-28-1)	
LD50 oral rat	> 15900 mg/kg
LC50 Inhalation - Rat	7.6 mg/l
LC50 Inhalation - Rat (Dust/Mist)	> 2.3 mg/l/4h (OECD 403 method)

Skin corrosion/irritation	Not classified pH: 8.5
Serious eye damage/irritation	Not classified pH: 8.5
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified

Titanium dioxide (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans

Quartz (SiO2) (14808-60-7)	
IARC group	1 - Carcinogenic to humans

Quartz (SiO2) (14808-60-7)	
National Toxicology Program (NTP) Status	Known Human Carcinogens

Reproductive toxicity	Suspected of damaging fertility or the unborn child.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified

Quartz (SiO2) (14808-60-7)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	Not classified
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.
Ecology - water	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute)	Not classified
Hazardous to the aquatic environment, long–term (chronic)	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

octamethylcyclotetrasiloxane; [D4] (556-67-2)	
NOEC chronic fish	0.0044 mg/l

butan-2-one O,O',O''-(methylsilylidyne)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)

12.2. Persistence and degradability

CFS-S SIL SL / CFS-S SIL GG	
Persistence and degradability	May cause long-term adverse effects in the environment.

Titanium dioxide (13463-67-7)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)

Titanium dioxide (13463-67-7)	
ThOD	Not applicable (inorganic)

octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Persistence and degradability	Not readily biodegradable in water.

Quartz (SiO2) (14808-60-7)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

butan-2-one O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in water.

Aluminium oxide (1344-28-1)	
Not rapidly degradable	
Persistence and degradability	Not applicable.

12.3. Bioaccumulative potential

CFS-S SIL SL / CFS-S SIL GG	
Bioaccumulative potential	Not established.

Titanium dioxide (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.

octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
BCF - Fish [1]	12400 l/kg (EPA OTS 797.1520, 28 day(s), Pimephales promelas, Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	6.488 (Experimental value, OECD 123: Partition Coefficient (1-Octanol/Water): Slow-Stirring Method, 25.1 °C)

Quartz (SiO2) (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

butan-2-one O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
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)

Aluminium oxide (1344-28-1)	
Bioaccumulative potential	Not applicable.

12.4. Mobility in soil

Titanium dioxide (13463-67-7)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.

octamethylcyclotetrasiloxane; [D4] (556-67-2)	
Ecology - soil	Low potential for mobility in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.22 (log Koc, OECD 106: Adsorption/Desorption Using a Batch Equilibrium Method, Experimental value, GLP)

Quartz (SiO2) (14808-60-7)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.

butan-2-one O,O',O''-(methylsilylidyne)trioxime (22984-54-9)	
Ecology - soil	Adsorbs into the soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5.481 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

12.5. Other adverse effects

Ozone: Not classified
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 TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
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

TDG	DOT	IMDG	IATA
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Special precautions for user

TDG
No data available

DOT
No data available

IMDG
No data available

IATA
No data available

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

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

CFS-S SIL SL / CFS-S SIL GG	
Canada DSL & NDSL Flags	All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Titanium dioxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)

Calcium carbonate (1317-65-3)
Listed on the Canadian NDSL (Non-Domestic Substances List)

octamethylcyclotetrasiloxane; [D4] (556-67-2)
Listed on the Canadian DSL (Domestic Substances List)

Quartz (SiO2) (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List)

butan-2-one O,O',O''-(methylsilylidyne)trioxime (22984-54-9)
Listed on the Canadian DSL (Domestic Substances List)

Aluminium oxide (1344-28-1)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

SDS Major/Minor	None
Issue date	10-27-2025
Revision date	10-27-2025
Supersedes	05-23-2025

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
		Modified	SOR/2015-17, Hazardous Products Regulations (HPR)

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.

Full text of hazard classes and H-statements:	
H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Abbreviations and acronyms:	
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)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level

Abbreviations and acronyms:	
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

SDS_CA_Hilti

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.