

CFS-T LUB

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Issue date: 09/03/2020

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Version: 3.0

SECTION 1: Identification of the hazardous chemical and of the supplier

Product identifier

Trade name CFS-T LUB
Product form Mixture

Other means of identification

No additional information available

Relevant identified uses of the substance or mixture and uses advised against

No additional information available

Supplier's details

Hilti (New Zealand) Ltd.
Level 1, Building B 600 South Road
Ellerslie
1051 Auckland - New Zealand
T +64 9 571 9995
, 800 444 584 toll free - F +64 9526 7780
servicenz@hilti.com

Supplier

Hilti (New Zealand) Ltd.
Level 1, Building B 600 South Road
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1051 Auckland - New Zealand
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Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
9494 Schaan - Liechtenstein
T +423 234 2111
chemicals.hse@hilti.com

Emergency number

Schweizerisches Toxikologisches Informationszentrum – 24h Service
+41 44 251 51 51 (international)
+64 9 571 9995
; 800 444 584 toll free

Country	Organisation/Company	Address	Emergency number
New Zealand	National Poisons Centre		0800 623 000

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified as a hazardous chemical

2.2. Label elements

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	Conc.	Classification according to the United Nations GHS (Rev. 4, 2011)
Probylene carbonate	(CAS-No.) 108-32-7	1 - 5	6.4A: Eye Irrit. 2, H319

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).
First-aid measures after inhalation	Allow affected person to breathe fresh air. Allow the victim to rest.
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.
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
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4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. 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. Special hazards arising from the substance or mixture

General measures	In case of spills, beware of slippery floors and surfaces.
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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.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	In case of spills, beware of slippery floors and surfaces.
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6.1.1. For non-emergency personnel

Emergency procedures	Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	Equip cleanup crew with proper protection.
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Emergency procedures

Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

Precautions for safe handling

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.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

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

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

No additional information available

8.4. Individual protection measures, such as personal protective equipment (PPE)

No additional information available

Hand protection

Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	<=0,38		

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Eye protection

Chemical goggles or safety glasses

Skin and body protection

Wear suitable protective clothing

Respiratory protection

Wear appropriate mask



SECTION 9: Physical and chemical properties

Physical state	Solid
Appearance	Pasty.
Colour	Beige
Odour	characteristic
Odour threshold	No data available
pH	No data available
Evaporation rate	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative density	No data available
Density	Density : 1 g/cm ³
Solubility	insoluble in water.
Log Pow	No data available
Viscosity	No data available
Explosive properties	No data available
Explosive limits	No data available
Minimum ignition energy	No data available

SECTION 10: Stability and reactivity

Chemical stability	Not established.
Possibility of hazardous reactions	Not established.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	fume. Carbon monoxide. Carbon dioxide. Toxic gases. Toxic vapours may be released.

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

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Probylene carbonate (108-32-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rabbit, Male / female, Experimental value, Dermal)

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

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

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified
Soil toxicity	Not classified
Terrestrial vertebrate toxicity	Not classified
Terrestrial invertebrate toxicity	Not classified
Other information	Avoid release to the environment.

Probylene carbonate (108-32-7)	
LC50 fish 1	5300 mg/l (96 h, Leuciscus idus, Static system)
EC50 Daphnia 1	> 1000 mg/l (48 h, Daphnia magna, GLP)
EC50 72h algae (1)	> 900 mg/l (Scenedesmus subspicatus, Biomass)
Log Pow	-0.48 - -0.41 (Experimental value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)

12.2. Persistence and degradability

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Persistence and degradability	Not established.

Probylene carbonate (108-32-7)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.046 g O ₂ /g substance
Chemical oxygen demand (COD)	1.29 g O ₂ /g substance

12.3. Bioaccumulative potential

CFS-T LUB	
Bioaccumulative potential	Not established.

Probylene carbonate (108-32-7)	
Log Pow	See section 12.1 on ecotoxicology

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Proylene carbonate (108-32-7)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

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Mobility in soil	No additional information available
Proylene carbonate (108-32-7)	
Log Pow	See section 12.1 on ecotoxicology
Ecology - soil	No (test)data on mobility of the substance available.

12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

SECTION 13: Disposal considerations

Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Other information	No supplementary information available
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ADR Regulatory status: Not regulated
 IMDG Regulatory status: Not regulated
 IATA Regulatory status: Not regulated
 RID Regulatory status: Not regulated

ADR	IMDG	IATA	RID
14.1. UN number			
Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available

- Air transport

No data available

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- Rail transport

Carriage prohibited (RID) No

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

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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Supersedes 12/03/20190

Indication of changes:

Section	Changed item	Change	Comments
			recipe change

Other information None.

Full text of H-statements:

6.4A: Eye Irrit. 2	6.4A: Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

SDS_NZ_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.