

CP 678

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Mixture
Name	CP 678
Product code	BU Fire Protection



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

1.2.1. Relevant identified uses

Industrial/Professional use spec	For professional use only
Use of the substance/mixture	Firestop coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hilti Deutschland AG
 Hiltistr. 2
 86916 Kaufering - Deutschland
 T +49 8191 90-0 - F +49 8191 90-1122
de.kundenservice@hilti.com

Supplier

Hilti Deutschland AG
 Hiltistr. 2
 86916 Kaufering - Deutschland
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Department issuing data specification sheet

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

1.4. Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service
	+41 44 251 51 51 (international)
	+49 8191 90-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Carc. 2	H351
Aquatic Chronic 3	H412

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

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS08

Signal word (CLP)

Warning

Hazardous ingredients

Tris[2-chloro-1-(chloromethyl)ethyl] phosphate

Hazard statements (CLP)

H351 - Suspected of causing cancer
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP)

P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear eye protection, protective clothing, protective gloves
P308+P313 - IF exposed or concerned: Get medical advice/attention
P273 - Avoid release to the environment

EUH-statements

EUH208 - Contains Mixture of 5-chloro-2-methylisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one . May produce an allergic reaction

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Harmful to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Tris[2-chloro-1-(chloromethyl)ethyl] phosphate	(CAS No) 13674-87-8 (EC No) 237-159-2 (EC Index No) 015-199-00-X (REACH-no) 01-2119519227-41	5 - 10	Carc. 2, H351 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

IF exposed or concerned: Get medical advice/attention.

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.

First-aid measures after eye contact

Rinse eyes with water as a precaution.

First-aid measures after ingestion

Get medical advice/attention if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

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

6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
Hygiene measures 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

Storage conditions Store in a dry place. Store locked up. Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Personal protective equipment Safety glasses. Protective clothing. Gloves.

Hand protection Protective gloves

Type	Material	Permeation	Thickness (mm)	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)		EN 374

Eye protection

Type	Use	Characteristics	Standard
Safety glasses	Droplet		EN 166, EN 170

Skin and body protection Wear suitable protective clothing

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Pasty.
Molecular mass	Not determined
Colour	white.
Odour	mild.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	100 °C
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	23 hPa
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1,3 g/cm ³
Solubility	Miscible with water.
Log Pow	No data available
Viscosity, kinematic	No data available

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Viscosity, dynamic	60000 mPa.s
Explosive properties	Product is not explosive.
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

No additional information available

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Not classified

Tris[2-chloro-1-(chloromethyl)ethyl] phosphate (13674-87-8)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 23700 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 5,22 mg/l/4h (Rat)

Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Not classified
Aspiration hazard	Not classified

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Viscosity, kinematic	46153,84615385 mm ² /s

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SECTION 12: Ecological information

12.1. Toxicity

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

Tris[2-chloro-1-(chloromethyl)ethyl] phosphate (13674-87-8)	
LC50 fish 1	1,1 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)
EC50 Daphnia 1	4,6 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	3,7 mg/l (48 h; Oryzias latipes)
EC50 Daphnia 2	3,8 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	4,5 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)

12.2. Persistence and degradability

Tris[2-chloro-1-(chloromethyl)ethyl] phosphate (13674-87-8)	
Persistence and degradability	Not readily biodegradable in water. Low potential for mobility in soil.

12.3. Bioaccumulative potential

Tris[2-chloro-1-(chloromethyl)ethyl] phosphate (13674-87-8)	
BCF fish 1	0,3 - 3,3 (6 weeks; Cyprinus carpio)
BCF fish 2	50 - 89 (720 h; Oryzias latipes)
Log Pow	3,69 (Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.
 European List of Waste (LoW) code 08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

SECTION 14: Transport information

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

Other information No supplementary information available

ADR	IMDG	IATA	RID
14.1. UN number			
Not regulated for transport			
14.2. UN 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
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	RID
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available			

14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available

- Air transport

No data available

- Rail transport

Carriage prohibited (RID) No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference

Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Switzerland

Swiss CPID No

254748-20

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 2	Carcinogenicity, Category 2
H351	Suspected of causing cancer
H411	Toxic to aquatic life with long lasting effects

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H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction

SDS_EU_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