

Hilti Spray

Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date: 28/01/2022

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Supersedes: 02/11/2016

Version: 1.2

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form Mixture
Product name Hilti Spray
Product code BU Direct Fastening



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 use only

1.4. Details of manufacturer or importer

Supplier

Hilti (Aust.) Pty. Ltd.
Level 5, 1G Homebush Bay Drive
P.O. Box 3217
2138 Rhodes NSW - Australia
T +61 131 292 - F +61 1300 135 042
serviceaustralia@hilti.com

Department issuing data specification sheet:

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
86916 Kaufering - Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.5. Emergency phone number

Emergency number +61 2 8748 1000

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

2.2. GHS Label elements, including precautionary statements

No labelling applicable

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Fatty acids, C8-10, triesters with trimethylolpropane	91050-89-4	≥ 80	Not classified

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane	68002-79-9	10 – 25	Not classified

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	Take off immediately all contaminated clothing. 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	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Wash contaminated clothing before reuse. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. Get medical advice/attention. Do not induce vomiting. Obtain emergency medical attention.

4.2. Symptoms caused by exposure

Symptoms/effects	No information available.
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4.3. Medical attention and special treatment

Other medical advice or treatment	No additional information available.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Specific hazards arising from the chemical

General measures	Spilled material may present a slipping hazard.
Hazardous decomposition products in case of fire	Thermal decomposition generates : 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.
Protection during firefighting	Self-contained breathing apparatus. 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	Spilled material may present a slipping hazard.
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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	Use personal protective equipment as required. Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.

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6.2. Environmental precautions

No additional information available

6.3. Methods and materials for containment and cleaning up

For containment	Collect spillage.
Methods for cleaning up	This material and its container must be disposed of in a safe way, and as per local legislation. Mechanically recover the product. Store away from other materials.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Keep cool. Protect from sunlight.
Incompatible materials	Sources of ignition. Direct sunlight. Moisture.
Storage temperature	5 – 25 °C

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

No additional information available

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

No additional information available

Personal protective equipment	Not required for normal conditions of use.
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SECTION 9: Physical and chemical properties

Physical state	Liquid
Appearance	No data available
Colour	Yellow
Odour	Odourless.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	300 °C
Flash point	240 °C
Auto-ignition temperature	No data available
Decomposition temperature	200 °C
Flammability (solid, gas)	No data available

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Vapour pressure	Vapour pressure at 50 °C : 1 hPa
Relative density	No data available
Density	Density : 0.93 g/cm ³
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	23.4 mm ² /s (40 °C)
Explosive properties	No data available
Explosive limits	No data available
Minimum ignition energy	No data available
Fat solubility	No data available

SECTION 10: Stability and reactivity

Reactivity	No additional information available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No additional information available
Conditions to avoid	No additional information available
Incompatible materials	Oxidizing agent. Strong acids. Strong bases.
Hazardous decomposition products	Carbon dioxide. Carbon monoxide. fume.

SECTION 11: Toxicological information

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

Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane (68002-79-9)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 g/kg
LC50 Inhalation - Rat	> 5.1 mg/l/4h

Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.1 mg/l/4h

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

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Viscosity, kinematic	23.4 mm ² /s (40 °C)
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SECTION 12: Ecological information

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According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	Not classified
Hazardous to the aquatic environment, long-term (chronic)	Not classified

Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane (68002-79-9)	
LC50 - Fish [1]	5500 mg/l
EC50 - Crustacea [1]	> 1000 µg/l
Partition coefficient n-octanol/water (Log Pow)	19.48
Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)	
LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	> 500 mg/l
NOEC (chronic)	≥ 2570 mg/l
Bioconcentration factor (BCF REACH)	< 17
Partition coefficient n-octanol/water (Log Pow)	10.64

12.2. Persistence and degradability

Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)	
Biodegradation	86 % 14 days

12.3. Bioaccumulative potential

Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane (68002-79-9)	
Partition coefficient n-octanol/water (Log Pow)	19.48
Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)	
Bioconcentration factor (BCF REACH)	< 17
Partition coefficient n-octanol/water (Log Pow)	10.64

12.4. Mobility in soil

Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane (68002-79-9)	
Partition coefficient n-octanol/water (Log Pow)	19.48
Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)	
Partition coefficient n-octanol/water (Log Pow)	10.64

12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

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Fluorinated greenhouse gases	False
Fatty acids, C14-18 and C16-18 unsatd., triesters with trimethylolpropane (68002-79-9)	
Fluorinated greenhouse gases	False
Fatty acids, C8-10, triesters with trimethylolpropane (91050-89-4)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Regional legislation (waste)	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	Dispose of contents/container to Avoid release to the environment, Refer to manufacturer/supplier for information on recovery/recycling.
Ecology - waste materials	Avoid release to the environment.

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID 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

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

IBC code Not applicable.

14.8. Hazchem or Emergency Action Code

Hazchem Code Not applicable

SECTION 15: Regulatory information

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

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
3	Composition/information on ingredients	Modified	

Revision date 28/01/2022

Classification:



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Not classified	
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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.