

# Hilti Zinc spray MZN-400

## Safety Data Sheet

according to the United Nations GHS (Rev. 4, 2011)

Issue date: 26/01/2021

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Version: 1.0

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form	Mixture
Product name	Hilti Zinc spray MZN-400
Type of product	Aerosol
UN-No. (ADR)	1950
Product code	BU Installation



#### 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	Paint corrosion-protection product
Recommended use	For professional use only

#### 1.4. Supplier's details

##### Supplier

Hilti Qatar W.L.L.  
Souq Al Rawda  
Salwa Road  
P.O. Box 24097  
Doha Ad Dawhah - Qatar  
T +974 4406 3600 - F +974 4406 3669  
[QA.info@hilti.com](mailto:QA.info@hilti.com)

##### Department issuing data specification sheet

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Hiltistraße 6  
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[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.5. Emergency phone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +974 4406 3600
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### SECTION 2: Hazard identification

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

##### Classification according to the United Nations GHS

Aerosol, Category 1	H222;H229	Expert judgment
Skin corrosion/irritation, Category 3	H316	Calculation method
Specific target organ toxicity — Repeated exposure, Category 2	H373	Calculation method
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400	Calculation method
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410	Calculation method
Full text of H statements : see section 16		

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

#### Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)



GHS02

GHS08

GHS09

Signal word (GHS UN)

Danger

Hazardous ingredients

Ethylbenzene

Hazard statements (GHS UN)

H222 - Extremely flammable aerosol  
 H229 - Pressurised container: May burst if heated  
 H316 - Causes mild skin irritation  
 H373 - May cause damage to organs (hearing organs) through prolonged or repeated exposure  
 H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS UN)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 - Do not spray on an open flame or other ignition source.  
 P251 - Do not pierce or burn, even after use.  
 P260 - Do not breathe spray, vapours.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P314 - Get medical advice/attention if you feel unwell.  
 P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
zinc powder - zinc dust (stabilised)	(CAS-No.) 7440-66-6	25 – 40	Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410
Xylene	(CAS-No.) 1330-20-7	5 – 10	Flammable liquids, Category 3, H226 Acute toxicity (dermal), Category 4, H312 Acute toxicity (inhal.), Category 4, H332 Acute toxicity (inhalation:dust,mist) Not classified Skin corrosion/irritation, Category 2, H315 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401
ethyl acetate	(CAS-No.) 141-78-6	5 – 10	Flammable liquids, Category 2, H225 Acute toxicity (oral) Not classified Acute toxicity (dermal) Not classified Specific target organ toxicity — Single exposure, Category 3, Narcosis, H336 Hazardous to the aquatic environment - Acute Hazard Not classified
1-methoxypropan-2-ol	(CAS-No.) 107-98-2	5 – 10	Flammable liquids, Category 3, H226 Acute toxicity (oral), Category 5, H303

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			Specific target organ toxicity — Single exposure, Category 3, Narcosis, H336 Hazardous to the aquatic environment - Acute Hazard Not classified
Low boiling point naphtha, benzene < 0.1%	(CAS-No.) 64742-95-6	5 – 10	Flammable liquids, Category 3, H226 Germ cell mutagenicity Not classified Carcinogenicity Not classified Specific target organ toxicity — Single exposure, Category 3, Narcosis, H336 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation, H335 Aspiration hazard, Category 1, H304 Hazardous to the aquatic environment — Chronic Hazard, Category 2, H411
zinc oxide	(CAS-No.) 1314-13-2	5 – 10	Acute toxicity (oral) Not classified Acute toxicity (inhalation:dust,mist) Not classified Hazardous to the aquatic environment — Acute Hazard, Category 1, H400 Hazardous to the aquatic environment — Chronic Hazard, Category 1, H410
Ethylbenzene	(CAS-No.) 100-41-4	2.5 – 5	Flammable liquids, Category 2, H225 Acute toxicity (inhal.), Category 4, H332 Specific target organ toxicity — Repeated exposure, Category 2, H373 Aspiration hazard, Category 1, H304 Hazardous to the aquatic environment — Acute Hazard, Category 2, H401 Hazardous to the aquatic environment — Chronic Hazard, Category 3, H412

Full text of H-statements: see section 16

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	Take off immediately all contaminated clothing.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	Get immediate medical advice/attention.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	May cause drowsiness or dizziness. Effects of skin contact may include: skin irritation.
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### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

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### 5.2. Specific hazards arising from the chemical

Fire hazard	Extremely flammable aerosol.
Explosion hazard	Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire. Thermal decomposition generates : Carbon dioxide. Carbon monoxide. Nitrogen oxides.

### 5.3. Special protective actions for fire-fighters

Precautionary measures fire	Fight fire remotely due to the risk of explosion.
Firefighting instructions	DO NOT fight fire when fire reaches explosives. Evacuate area.
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 Evacuate area. No flames, no sparks. Eliminate all sources of ignition.

#### 6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area. Avoid breathing vapours. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment Do not attempt to take action without suitable protective equipment. Breathing apparatus.  
Emergency procedures Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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

Methods for cleaning up Do not flush with water. Absorb and/or contain spill with inert material, then place in suitable container. This material and its container must be disposed of in a safe way, and as per local legislation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling Do not eat, drink or smoke when using this product. Do not breathe vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed Hazardous waste due to potential risk of explosion. Do not pierce or burn, even after use.

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

Technical measures Proper grounding procedures to avoid static electricity should be followed.

Storage conditions Keep cool. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.

Incompatible materials Oxidizing materials. Paper. Strong acids. Strong bases.

Heat and ignition sources Keep away from heat and direct sunlight.

Storage temperature 5 – 25 °C

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

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### 8.2. Appropriate engineering controls

Appropriate engineering controls Ensure good ventilation of the work station.

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

Hand protection In case of repeated or prolonged contact wear gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4		EN ISO 374

Eye protection Chemical goggles or safety glasses. EN 166. EN 170

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

Respiratory protection During spraying wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Aerosol mask			

Personal protective equipment symbol(s)



### 8.4. Exposure limit values for the other components

No additional information available

## SECTION 9: Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol
Colour	Grey.
Odour	characteristic.
Odour threshold	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	-42 °C
Flammability (solid, gas)	Extremely flammable aerosol.
Explosive limits	1 – 13.1 vol %
Lower explosive limit (LEL)	Not available
Upper explosive limit (UEL)	Not available
Flash point	-25 °C (DIN EN ISO 1523)
Auto-ignition temperature	273 °C (DIN 51794)
Decomposition temperature	Not available
pH	Not available
pH solution	Not available
Viscosity, kinematic (calculated value) (40 °C)	Not available
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	3.2 hPa (DIN EN 12)

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Vapour pressure at 50 °C	Not available
Density	1.051 g/cm <sup>3</sup>
Relative density	Not available
Relative vapour density at 20 °C	Not available
Solubility	Not available
Particle size	Not applicable
Particle size distribution	Not applicable
Particle shape	Not applicable
Particle aspect ratio	Not applicable
Particle specific surface area	Not applicable

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

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

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Heat. Sparks. Open flame. Direct sunlight. Overheating.

### 10.5. Incompatible materials

Oxidizing agents and bases.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## 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

zinc powder - zinc dust (stabilised) (7440-66-6)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
ethyl acetate (141-78-6)	
LD50 oral rat	10200 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 20000 mg/kg bodyweight (24 hour cuff method, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
1-methoxypropan-2-ol (107-98-2)	
LD50 oral rat	4016 mg/kg bodyweight (EU Method B.1 tris: Acute oral toxic – Acute toxic class method, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (Equivalent or similar to EU Method B.3, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

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<b>Xylene (1330-20-7)</b>	
LC50 Inhalation - Rat	29.09 mg/l (Equivalent or similar to EU Method B.2: Acute Toxicity (Inhalation), 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
<b>zinc oxide (1314-13-2)</b>	
LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, 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))
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
Skin corrosion/irritation	Causes mild skin irritation.
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	May cause damage to organs (hearing organs) through prolonged or repeated exposure.
Aspiration hazard	Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	Very toxic to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute))	Calculation method
Hazardous to the aquatic environment, long-term (chronic)	Very toxic to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	Calculation method

<b>ethyl acetate (141-78-6)</b>	
LC50 fish 1	230 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
<b>1-methoxypropan-2-ol (107-98-2)</b>	
LC50 fish 1	≥ 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Lethal)
ErC50 (algae)	> 1000 mg/l (7 day(s), Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
<b>Xylene (1330-20-7)</b>	
LC50 fish 1	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)
ErC50 (algae)	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
<b>Ethylbenzene (100-41-4)</b>	
LC50 fish 1	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)
LC50 fish 2	4.2 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 Daphnia 2	75 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	48 mg/l (72 h; Scenedesmus subspicatus)
EC50 72h algae (1)	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
TLM fish 1	29 ppm (96 h; Lepomis macrochirus; Hard water)
TLM fish 2	42.3 mg/l (96 h; Pimephales promelas)
TLM other aquatic organisms 1	10 - 100,96 h

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Threshold limit algae 1	> 160 mg/l (192 h; <i>Scenedesmus quadricauda</i> ; Toxicity test)
Threshold limit algae 2	33 mg/l (192 h; <i>Microcystis aeruginosa</i> ; Toxicity test)
zinc oxide (1314-13-2)	
LC50 fish 1	1.55 mg/l (96 h, <i>Danio rerio</i> , Static system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	1 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value, Zinc ion)

### 12.2. Persistence and degradability

Hilti Zinc spray MZN-400	
Persistence and degradability	No additional information available
zinc powder - zinc dust (stabilised) (7440-66-6)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
ethyl acetate (141-78-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.293 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.69 g O <sub>2</sub> /g substance
ThOD	1.82 g O <sub>2</sub> /g substance
1-methoxypropan-2-ol (107-98-2)	
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.
ThOD	1.95 g O <sub>2</sub> /g substance
Xylene (1330-20-7)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Ethylbenzene (100-41-4)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance
ThOD	3.17 g O <sub>2</sub> /g substance
BOD (% of ThOD)	(20 day(s)) 45.4
zinc oxide (1314-13-2)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

### 12.3. Bioaccumulative potential

Hilti Zinc spray MZN-400	
Bioaccumulative potential	No additional information available
zinc powder - zinc dust (stabilised) (7440-66-6)	
BCF fish 1	0.002 (40 day(s), <i>Danio rerio</i> , Semi-static system, Fresh water, Read-across)
Bioaccumulative potential	Bioaccumulation: not applicable.



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<b>ethyl acetate (141-78-6)</b>	
BCF fish 1	30 (3 day(s), Leuciscus idus, Static renewal, Experimental value)
Partition coefficient n-octanol/water (Log Kow)	0.68 (Experimental value, EPA OPPTS 830.7560, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1-methoxypropan-2-ol (107-98-2)</b>	
Partition coefficient n-octanol/water (Log Kow)	< 1 (Experimental value, Equivalent or similar to OECD 117, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>Xylene (1330-20-7)</b>	
BCF fish 1	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)
Partition coefficient n-octanol/water (Log Kow)	3.2 (Read-across, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>Ethylbenzene (100-41-4)</b>	
BCF fish 1	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
BCF fish 2	15 – 79 (Carassius auratus)
BCF other aquatic organisms 1	4.68 (Lamellibranchiata)
Partition coefficient n-octanol/water (Log Kow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>zinc oxide (1314-13-2)</b>	
Partition coefficient n-octanol/water (Log Kow)	1.53 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Mobility in soil

<b>Hilti Zinc spray MZN-400</b>	
Mobility in soil	No additional information available
<b>zinc powder - zinc dust (stabilised) (7440-66-6)</b>	
Ecology - soil	Adsorbs into the soil.
<b>ethyl acetate (141-78-6)</b>	
Surface tension	No data available in the literature
Ecology - soil	Low potential for adsorption in soil.
<b>1-methoxypropan-2-ol (107-98-2)</b>	
Surface tension	0.0707 N/m (20 °C, 1 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Partition coefficient n-octanol/water (Log Koc)	0.152 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.
<b>Xylene (1330-20-7)</b>	
Surface tension	28.01 – 29.76 mN/m (25 °C)
Partition coefficient n-octanol/water (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.
<b>Ethylbenzene (100-41-4)</b>	
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.
<b>zinc oxide (1314-13-2)</b>	
Surface tension	Not applicable (solid)
Partition coefficient n-octanol/water (Log Koc)	2.2 (log Koc, Literature study)
Ecology - soil	Low potential for adsorption in soil.

### 12.5. Other adverse effects

Ozone	Not classified
Other adverse effects	No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Regional legislation (waste)	Disposal must be done according to official regulations.
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Container under pressure. Do not drill or burn even after use.
Additional information	Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

In accordance with ADR / IATA / IMDG / RID

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS
Transport document description			
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1
<b>14.3. Transport hazard class(es)</b>			
2.1	2.1	2.1	2.1
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.			
No supplementary information available			

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR)	5F
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1I
Packing instructions (ADR)	P207, LP02
Transport category (ADR)	2
Tunnel restriction code (ADR)	D



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### Transport by sea

Special provisions (IMDG)	63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	SP277
Packing instructions (IMDG)	P207, LP02
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U
Stowage category (IMDG)	None

### Air transport

PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
Special provisions (IATA)	A145, A167

### Rail transport

Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Packing instructions (RID)	P207, LP02

### 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 regulations specific for the product in question

No additional information available

## SECTION 16: Other information

SDS Major/Minor	None
Issue date	26/01/2021
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Full text of H-statements:	
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H316	Causes mild skin irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure



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H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS\_UN\_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.*