

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 18/11/2024 Revision date: 18/11/2024 Supersedes version of: 28/09/2022

Version: 22.2

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

1.1. Product identifier

Product form Trade name UFI Product code Vaporizer Mixture CFR 1 01U2-X1Y2-URNY-8020 BU Fire Protection Aerosol



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

1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec Use of the substance/mixture

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Hilti (Gt. Britain) Ltd. 1 Circle Square 3 Symphony Park GB M1 7FS Manchester Great Britain T +44 161 886 1000 0800 886 100 Toll-free, F +44 161 872 1240 gbsales@hilti.com

1.4. Emergency telephone number

Emergency number

Professional use For professional use only Spray cleaners

> Department issuing data specification sheet Hilti AG Feldkircherstraße 100 FL 9494 Schaan Liechtenstein T +423 234 2111 product.compliance-fire.protection@hilti.com

Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

+44 161 886 1000 0800 886 100 Toll-free

Country	Organisation/Company	Address	Emergency number	Comment
0	NHS Direct (England and Wales) NHS 24 (Scotland)		111	



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 Serious eye damage/eye irritation, Category 2 Specific target organ toxicity – Single exposure, Category 3, Narcosis Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. Causes serious eye irritation.

H222;H229

H319

H336

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2	008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS07
Signal word (CLP)	Danger
Contains	Acetone; ethyl acetate
Hazard statements (CLP)	H222 - Extremely flammable aerosol.
	H229 - Pressurised container: May burst if heated.
	H319 - Causes serious eye irritation.
	H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP)	P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
	P211 - Do not spray on an open flame or other ignition source.
	P251 - Pressurized container: Do not pierce or burn, even after use.
	P261 - Avoid breathing spray.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
EUH-statements	EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
isobutane (75-28-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
propane (74-98-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Acetone (67-64-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethyl acetate (141-78-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
butane (106-97-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Component	
Acetone (67-64-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
ethyl acetate (141-78-6)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
isobutane (75-28-5)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
propane (74-98-6)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
butane (106-97-8)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acetone	CAS-No.: 67-64-1 EC-No.: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330- 49	40 – 60	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
ethyl acetate	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5 REACH-no: 01-2119475103- 46	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
isobutane	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395- 27	< 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
propane	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944- 21	< 10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier		Classification according to Regulation (EC) No. 1272/2008 [CLP]
butane	CAS-No.: 106-97-8	< 10	Flam. Gas 1A, H220
	EC-No.: 203-448-7		Press. Gas (Liq.), H280
	EC Index-No.: 601-004-00-0		

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case. Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	Call a poison center or a doctor if you feel unwell. 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. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
4.2. Most important symptoms and effects, b	oth acute and delayed
Symptoms/effects after inhalation Symptoms/effects after eye contact	May cause drowsiness or dizziness. Eye irritation. Causes serious eye irritation.

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. Carbon dioxide. Sand. Alcohol resistant foam.
Unsuitable extinguishing media	Do not use a heavy water stream.
5.2. Special hazards arising from the substar	nce or mixture
Fire hazard	Extremely flammable aerosol.
Explosion hazard	Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide. Vapours may form explosive mixture with air.
5.3. Advice for firefighters	
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 attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 6: Accidental release me	asures
6.1. Personal precautions, protective equip	pment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing spray. Avoid contact with skin and eyes. Evacuate unnecessary personnel.
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". Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.
Emergency procedures	Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify a	uthorities if liquid enters sewers or public waters.
6.3. Methods and material for containment	and cleaning up
Methods for cleaning up	Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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. See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Avoid contact with skin and eyes. Wear personal protective equipment. 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.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling.
7.2. Conditions for safe storage, including an	y incompatibilities
Storage conditions	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	5 – 25 °C
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Acetone (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Acetone
IOEL TWA	1210 mg/m ³



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Acetone (67-64-1)		
	500 ppm	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Acetone	
WEL TWA (OEL TWA)	1210 mg/m ³	
	500 ppm	
WEL STEL (OEL STEL)	3620 mg/m ³	
	1500 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
ethyl acetate (141-78-6)		
EU - Indicative Occupational Exposure Limit (IOEL		
Local name	Ethyl acetate	
IOEL TWA	734 mg/m ³	
	200 ppm	
IOEL STEL	1468 mg/m³	
	400 ppm	
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164	
United Kingdom - Occupational Exposure Limits		
Local name	Ethyl acetate	
WEL TWA (OEL TWA)	734 mg/m³	
	200 ppm	
WEL STEL (OEL STEL)	1468 mg/m³	
	400 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
butane (106-97-8)		
United Kingdom - Occupational Exposure Limits		
Local name	Butane	
WEL TWA (OEL TWA)	1450 mg/m ³	
	600 ppm	
WEL STEL (OEL STEL)	1810 mg/m ³	
	750 ppm	
Remark	Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses			EN 166, EN 171

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear suitable gloves tested to EN374. Suitable for short-term work or as a splash guard: Nitrile rubber gloves (> 0.2 mm). In case of permanent product contact:

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Butyl rubber	6 (> 480 minutes)	0,5mm		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure good ventilation of the work station. If the occupational exposure limit is exceeded: Wear appropriate mask. (e.g. gas filter type A1-P2 according to EN 14387)

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use. No additional information available



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Physical state	Liquid
Colour	Colourless.
Appearance	Aerosol.
Odour	characteristic.
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability	Extremely flammable aerosol.
Explosive properties	Pressurised container: May burst if heated.
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	Not applicable
Auto-ignition temperature	Not available
Decomposition temperature	Not available
рН	Not available
Viscosity, kinematic	Not available
Solubility	Soluble in water.
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	2500 – 2900 hPa at 20 °C
Vapour pressure at 50°C	Not available
Density	0.74 – 0.76 g/cm ³
Relative density	Not available
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard	classes
% of flammable ingredients	112 %

9.2.2. Other safety characteristics

No additional information available

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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



11.1. Information on hazard classes a	as defined in Regulation (EC) No 1272/2008
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
isobutane (75-28-5)	· 200000 ppm (45 minutes, Det Male / female, Europimental value, Inhelation (coope))
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
propane (74-98-6)	
LC50 Inhalation - Rat [ppm]	> 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases))
Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Rat, Female, Experimental value, Oral, 14 day(s))
LD50 oral	6667 mg/kg
LD50 dermal rabbit	> 15800 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	20000 mg/kg
LC50 Inhalation - Rat	132 mg/l (3 h, Rat, Male, Experimental value, Inhalation (vapours))
ethyl acetate (141-78-6)	
LD50 oral rat	10200 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Female, Experiment value, Oral, 14 day(s))
LD50 oral	5600 mg/kg
LD50 dermal rabbit	> 20000 mg/kg bodyweight (24 hour cuff method, 24 h, Rabbit, Male, Experimental valu Dermal, 14 day(s))
LD50 dermal	18000 mg/kg
LC50 Inhalation - Rat (Vapours)	52.75 mg/l/4h
butane (106-97-8)	
LC50 Inhalation - Rat [ppm]	276798.8 ppm
Skin corrosion/irritation	Not classified
Additional information	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Not classified
Additional information	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Not classified
Additional information	Based on available data, the classification criteria are not met
Carcinogenicity	Not classified
Additional information	Based on available data, the classification criteria are not met
Reproductive toxicity	Not classified
Additional information	Based on available data, the classification criteria are not met
STOT-single exposure	May cause drowsiness or dizziness.
Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified



CFR 1 Safety Data Sheet

Aspiration hazard Additional information	Not classified Based on available data, the classification criteria are not met
CFR 1	
Vaporizer	Aerosol
11.2. Information on other hazards	
11.2.1. Endocrine disrupting properties	
11.2.2. Other information	
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met

The product is not considered harmful to aquatic organisms nor to cause long-term adve effects in the environment.	
Not classified	
Not classified	
8.57 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)	
6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow- through system, Fresh water, Experimental value, Measured concentration)	
> 12700 mg/l	
> 530 mg/l 96h, Pseudokirchneriella subcapitata	
230 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)	
262 mg/l	
2.4 mg/l	
Not established.	
Readily biodegradable in water.	
Readily biodegradable in water.	



Acetone (67-64-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.43 g O ₂ /g substance
Chemical oxygen demand (COD)	1.92 g O ₂ /g substance
ThOD	2.2 g O ₂ /g substance
ethyl acetate (141-78-6)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.293 g O ₂ /g substance
Chemical oxygen demand (COD)	1.69 g O ₂ /g substance
ThOD	1.82 g O ₂ /g substance
12.3. Bioaccumulative potential	
CFR 1	
Bioaccumulative potential	Not established.
isobutane (75-28-5)	
Partition coefficient n-octanol/water (Log Pow)	1.09 – 2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
propane (74-98-6)	
Partition coefficient n-octanol/water (Log Pow)	1.1 – 2.8 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Acetone (67-64-1)	
BCF - Fish [1]	0.69 (Pisces, Literature study)
Partition coefficient n-octanol/water (Log Pow)	-0.23 (Test data)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
ethyl acetate (141-78-6)	
BCF - Fish [1]	30 (3 day(s), Leuciscus idus, Static renewal, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	0.68 (Experimental value, EPA OPPTS 830.7560, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in soil	
isobutane (75-28-5)	
Surface tension	No data available in the literature
Ecology - soil	Not applicable (gas).
propane (74-98-6)	
Surface tension	No data available in the literature
Ecology - soil	Not applicable (gas).
Acetone (67-64-1)	
Surface tension	23.3 mN/m (20 °C)



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Acetone (67-64-1)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.374 – 0.988 (log Koc, SRC PCKOCWIN v2.0, Calculated value)		
Ecology - soil	Highly mobile in soil.		
ethyl acetate (141-78-6)			
Surface tension	No data available in the literature		
Ecology - soil	Low potential for adsorption in soil.		

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
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.
Ecological information	Avoid release to the environment.
European List of Waste (LoW, EC 2000/532)	16 05 04* - gases in pressure containers (including halons) containing dangerous substances
HP Code	15 01 10* - packaging containing residues of or contaminated by dangerous substances HP3 - "Flammable:"
	 – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil,
	diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
	- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small
	quantities, is liable to ignite within five minutes after coming into contact with air;
	 – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
	– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a
	standard pressure of 101.3 kPa;
	- water reactive waste: waste which, in contact with water, emits flammable gases in
	dangerous quantities;
	- other flammable waste: flammable aerosols, flammable self-heating waste, flammable
	organic peroxides and flammable self-reactive waste.
	HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	ΙΑΤΑ	RID
14.1. UN number or ID number			
UN 1950	UN 1950	UN 1950	UN 1950

irritation or damage to the eye.



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR IMDG		IATA	RID	
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1	UN 1950 AEROSOLS, 2.1	
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	
		2		
14.4. Packing group	I	I	I	
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards		I	I	
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 availa	able	I	I	
14.6. Special precautions for u	ser			
Overland transport				
Classification code (ADR)	5F			
Special provisions (ADR) 190, 327		5		
imited quantities (ADR)	11			
cking instructions (ADR) P207, LP02				
Mixed packing provisions (ADR) MP9				
Fransport category (ADR) Funnel restriction code (ADR)				
Transport by sea				

63, 190, 277, 327, 344, 959
SP277
P207, LP02
F-D
S-U
None
126

PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
Special provisions (IATA)	A145, A167, A802

Rail transport

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

14.7. Maritime transport in bulk according to IMO instruments

Not applicable



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.		Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Acetone	67-64-1	2914 11 00	ex 3824 99 92

Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en

Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

Name	CN designation	CAS-No.	CN code	Category	Threshold	Annex
Acetone		67-64-1	2914 11 00	Category 3		Annex I

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Composition/information on ingredients.



Indication of changes				
Section	Changed item Change Comments			
			general update	
Abbreviations and	d acronyms:			
CAS-No.	Chemical Abstract Service numb	er		
ADN	European Agreement concerning	the International Carriage of Da	ngerous Goods by Inland Waterways	
ADR	European Agreement concerning	the International Carriage of Da	ngerous Goods by Road	
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
BLV	Biological limit value			
BOD	Biochemical oxygen demand (BC)D)		
CLP	Classification Labelling Packagin	g Regulation; Regulation (EC) N	o 1272/2008	
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC-No.	European Community number			
EC50	Median effective concentration			
ED	Endocrine disrupting properties			
EN	European Standard			
IARC	International Agency for Researc	International Agency for Research on Cancer		
ΙΑΤΑ	International Air Transport Assoc	International Air Transport Association		
IMDG	International Maritime Dangerous	International Maritime Dangerous Goods		
IOELV	Indicative Occupational Exposure	Indicative Occupational Exposure Limit Value		
LC50	Median lethal concentration	Median lethal concentration		
LD50	Median lethal dose	Median lethal dose		
LOAEL	Lowest Observed Adverse Effect	Lowest Observed Adverse Effect Level		
N.O.S.	Not Otherwise Specified			
NOAEC	No-Observed Adverse Effect Cor	ncentration		
NOAEL	No-Observed Adverse Effect Lev	rel		
NOEC	No-Observed Effect Concentration	n		
vPvB	Very Persistent and Very Bioacci	Very Persistent and Very Bioaccumulative		
WGK	Water Hazard Class	Water Hazard Class		
VOC	Volatile Organic Compounds	Volatile Organic Compounds		
SDS	Safety Data Sheet	Safety Data Sheet		
RID	Regulations concerning the Inter	Regulations concerning the International Carriage of Dangerous Goods by Rail		
REACH	Registration, Evaluation, Authoris	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006		
PNEC	Predicted No-Effect Concentratio	Predicted No-Effect Concentration		



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:		
PBT	Persistent Bioaccumulative Toxic	
OEL	Occupational Exposure Limit	
OECD	Organisation for Economic Co-operation and Development	
COD	Chemical oxygen demand (COD)	
ThOD	Theoretical oxygen demand (ThOD)	
TRGS	Technical Rules for Hazardous Substances	
TLM	Median Tolerance Limit	
STP	Sewage treatment plant	

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. None.

Other information

Full text of H- and EUH-statements:		
Aerosol 1	Aerosol, Category 1	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
Flam. Liq. 2	Flammable liquids, Category 2	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H225	Highly flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Aerosol 1 H222;H229 On basis of test data			
Eye Irrit. 2	H319	Calculation method	
STOT SE 3	H336	Calculation method	

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.