

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 15/12/2022 Revision date: 15/12/2022 Supersedes version of: 15/03/2019

Version: 4.0

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

1.1. Product identifier

Product form Name UFI Product code Vaporizer Mixture GC 32 FURR-4ADU-1V22-M4PH BU Direct Fastening Container fitted with a sealed spray attachment

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

1.2.1. Relevant identified uses

Industrial/Professional use spec Use of the substance/mixture For professional use only Propellant for direct fastening tools.

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

Department issuing data specification sheet Hilti Entwicklungsgesellschaft mbH Hiltistrasse 6 DE- 86916 Kaufering Deutschland T +49 8191 906310 - F +49 8191 90176310 df-hse@hilti.com

1.4. Emergency telephone number

Emergency number

Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +44 161 886 1000 0800 886 100 Toll-free

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]		
Flammable gases, Category 1A	H220	
Gases under pressure : Compressed gas	H280	

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available



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2.2. Label elements	
Labelling according to Regulation (EC) No. 1	1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS02
Signal word (CLP)	Danger
Hazard statements (CLP)	H220 - Extremely flammable gas.
	H280 - Contains gas under pressure; may explode if heated.
Precautionary statements (CLP)	P102 - Keep out of reach of children.
	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.
	P381 - In case of leakage, eliminate all ignition sources.
	P403 - Store in a well-ventilated place.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

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 Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component		
but-1-ene (106-98-9)	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	
propene (115-07-1)	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	
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	
Polyethylene glycol (25322-68-3)	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 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 at a concentration equal to or greater than 0,1 %

Component	
but-1-ene(106-98-9)	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
propene(115-07-1)	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
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



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Component		
Polyethylene glycol(25322-68-3)	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]
but-1-ene	CAS-No.: 106-98-9 EC-No.: 203-449-2 EC Index-No.: 601-012-00-4	45 - <55	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
propene	CAS-No.: 115-07-1 EC-No.: 204-062-1 EC Index-No.: 601-011-00-9	35 - <45	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	5 - <10	Flam. Gas 1A, H220 Press. Gas (Liq.), H280
Polyethylene glycol	CAS-No.: 25322-68-3 EC-No.: 500-038-2	1 - 3	Not classified

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	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.
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 medical advice/attention.
First-aid measures after ingestion	Immediately consult a doctor/medical service.

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	
5.1. Extinguishing media	

Suitable extinguishing media Unsuitable extinguishing media Carbon dioxide. Water spray. Dry powder. Alcohol resistant foam. Do not use a heavy water stream.



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5.2. Special hazards arising from the substance or mixture			
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	On burning: release of (highly) toxic gases/vapours. Thermal decomposition generates : Carbon dioxide. Carbon monoxide.		
5.3. Advice for firefighters			
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.		
	Self-contained breathing apparatus.		
Other information	EN 12942. EN 12941.		

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	Evacuate area. Remove ignition sources.	
6.1.1. For non-emergency personnel		
Emergency procedures	Ventilate spillage area. Evacuate area. No open flames, no sparks, and no smoking.	
6.1.2. For emergency responders		
Protective equipment	Do not attempt to take action without suitable protective equipment. Breathing apparatus.	
6.2. Environmental precautions		
Avoid release to the environment. Prevent entry to	o sewers and public waters.	
6.3. Methods and material for containment and cleaning up		

Methods for cleaning up

Do not flush with water.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and stora	age
7.1. Precautions for safe handling	
Additional hazards when processed	Flammable gas. Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Precautions for safe handling	Do not spray on an open flame or other ignition source. Avoid contact with skin, eyes and clothing. Do not breathe vapours. Prevent the build-up of electrostatic charge.
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, inclu	ding any incompatibilities
Technical measures	Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	Keep cool. Protect from sunlight. Keep in fireproof place. Store in dry protected location to prevent any moisture contact.
Incompatible materials	Heat sources. Direct sunlight. Sources of ignition.
Storage temperature	5 – 25 °C
Heat and ignition sources	Keep away from heat and direct sunlight. Keep away from ignition sources.
Information on mixed storage	Do not store with DX powder cartridges.
7.2 Specific and use(a)	

7.3. Specific end use(s)

No additional information available



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

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 symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. EN 166. EN 170

8.2.2.2. Skin protection

Skin and body protection:

When using cartridge operated tools, sufficient ear protection must be worn.

Hand protection:

In case of repeated or prolonged contact wear gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	0,12		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available No additional information available



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

3.1. Information on basic physical and the	sinca properties
Physical state	Gas
Colour	Colourless.
Odour	characteristic.
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	Not available
Flammability	Extremely flammable aerosol.
Explosive properties	Product is not explosive. In use, may form flammable/explosive vapour-air mixture.
Lower explosion limit	1.6 vol %
Upper explosion limit	11.1 vol %
Flash point	-88.6 °C
Auto-ignition temperature	287 °C
Decomposition temperature	Not available
рН	Not applicable
Viscosity, kinematic	Not applicable
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	Not available
Vapour pressure	8300 hPa
Vapour pressure at 50°C	Not available
Density	0.6 g/cm³ (DIN 51757)
Relative density	Not applicable
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

No additional information available

9.2.2. Other s	afety characteris	tics
Gas group		

Gases under pressure : Compressed gas

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

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

No additional information available

10.6. Hazardous decomposition products

No additional information available



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44.4 Information on borond als		
11.1. Information on hazard classes as de		
Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)	
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)	
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)	
propene (115-07-1)		
LC50 Inhalation - Rat	> 688 mg/m³	
propane (74-98-6)		
LC50 Inhalation - Rat [ppm]	> 280000 ppm (literature)	
Polyethylene glycol (25322-68-3)		
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423 method)	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)	
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)	
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)	
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met)	
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)	
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)	
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)	
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)	
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)	
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)	
GC 32		
Vaporizer	Container fitted with a sealed spray attachment	
11.2. Information on other hazards		
11.2.1. Endocrine disrupting properties		
Adverse health effects caused by endocrine	No additional information available	
disrupting properties		
11.2.2. Other information		
Potential adverse human health effects and	No additional information available, No harmful effects are to be expected if used prop	

Potential adverse human health effects and symptoms

No additional information available,No harmful effects are to be expected if used properly. The contained ingredients can be harmful, but they are hermetically enclosed in the article and can not be released. The dismantling of the article is prohibited.

SECTION 12: Ecological information

12.1. Toxicity	
Hazardous to the aquatic environment, short-term (acute)	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	Not classified (Based on available data, the classification criteria are not met)
but-1-ene (106-98-9)	
LC50 - Fish [1]	14758 mg/l (72 h; Quantitative structure-activity relationship (QSAR); Oncorhynchus mykiss)
EC50 - Crustacea [1]	18.7 mg/l (48 h; Quantitative structure-activity relationship (QSAR); Daphnia sp.)
EC50 96h - Algae [1]	14.9 mg/l (Quantitative structure-activity relationship (QSAR); algae)



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propene (115-07-1)		
LC50 - Fish [1]	43.3 mg/l (72 h; Oncorhynchus mykiss (Rainbow trout); Quantitative structure-activity relationship (QSAR))	
EC50 - Crustacea [1]	28.2 mg/l (48 h; daphnia; Quantitative structure-activity relationship (QSAR))	
EC50 96h - Algae [1]	12.1 mg/l (algae; Quantitative structure-activity relationship (QSAR))	
Polyethylene glycol (25322-68-3)		
LC50 - Fish [1]	> 100 mg/l (96 h; Poecilia reticulata; (OECD 203 method))	
EC50 - Crustacea [1]	> 100 mg/l (48 h; Daphnia magna; (OECD 202 method))	
ErC50 algae	100 – 1000 mg/l (96 h)	
NOEC chronic fish	13671.586 mg/l (28 d; Poecilia reticulata (Guppy)	
NOEC chronic crustacea	17475.27 mg/l (21 d; Daphnia magna; (calculated value))	
12.2. Persistence and degradability		
propene (115-07-1)		
Persistence and degradability	Readily biodegradable in water.	
propane (74-98-6)		
Persistence and degradability Readily biodegradable in water.		
Polyethylene glycol (25322-68-3)		
Persistence and degradability	Readily biodegradable.	
12.3. Bioaccumulative potential		
propene (115-07-1)		
Partition coefficient n-octanol/water (Log Kow)	1.77 (20 °C)	
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).	
propane (74-98-6)		
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).	
Polyethylene glycol (25322-68-3)		

No additional information available

12.5. Results of PBT and vPvB assessment

GC 32	
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	
12.6 Endocrino discunting proportion	

12.6. Endocrine disrupting propertie

No additional information available

12.7. Other adverse effects

Additional information

Avoid release to the environment.

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) Waste treatment methods Product/Packaging disposal recommendations Additional information European List of Waste (LoW) code Disposal must be done according to official regulations.
Dispose of contents/container in accordance with licensed collector's sorting instructions.
Container under pressure. Do not drill or burn even after use.
Flammable vapours may accumulate in the container.
14 06 03* - other solvents and solvent mixtures
16 05 04* - gases in pressure containers (including halons) containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	ΙΑΤΑ	RID
14.1. UN number or ID number			
UN 2037	UN 2037	Forbidden	UN 2037
14.2. UN proper shipping name			
RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)	Forbidden	RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)
Transport document description			·
UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1, (D)	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1	Forbidden	UN 2037 RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES), 2.1
14.3. Transport hazard class(es)			·
2.1	2.1	Forbidden	2.1
		Forbidden	
14.4. Packing group			!
Not applicable	Not applicable	Forbidden	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Forbidden	Dangerous for the environment: No
No supplementary information availa	ble		

14.6. Special precautions for user

Overland transport	
Classification code (ADR)	5F
Special provisions (ADR)	191, 303, 344
Limited quantities (ADR)	11
Excepted quantities (ADR)	E0
Packing instructions (ADR)	P003
Special packing provisions (ADR)	PP17, RR6
Mixed packing provisions (ADR)	MP9
Transport category (ADR)	2



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Special provisions for carriage - Loading, unloading	CV9, CV12
and handling (ADR)	00
Special provisions for carriage - Operation (ADR)	S2 D
Tunnel restriction code (ADR)	D
Transport by sea	
Special provisions (IMDG)	191, 277, 303, 344
Limited quantities (IMDG)	SP277
Excepted quantities (IMDG)	E0
Packing instructions (IMDG)	P003
Special packing provisions (IMDG)	PP17
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U
Stowage category (IMDG)	В
Properties and observations (IMDG)	Normally contain mixtures of liquefied Butane and Propane in various proportions for use in
	camping stoves, etc.
MFAG-No	115
Air transport	
Air transport Forbidden	
Folbidden	
Rail transport	
Classification code (RID)	5F
Special provisions (RID)	191, 303, 344
Limited quantities (RID)	1L
Excepted quantities (RID)	E0
Packing instructions (RID)	P003
Special packing provisions (RID)	PP17, RR6
Mixed packing provisions (RID)	MP9
Transport category (RID)	2
Special provisions for carriage - Loading, unloading and handling (RID)	CW9, CW12
Colis express (express parcels) (RID)	CE2

14.7. Maritime transport in bulk according to IMO instruments

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

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)



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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)

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P2 FLAMMABLE GASES	10	50
Flammable gases, Category 1 or 2		

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no 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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes				
Section	Changed item	Change	Comments	
	General	Modified	SDS EU format according to COMMISSION REGULATION (EU) 2020/878	
1	UFI	Added		
1.2	Use of the substance/mixture	Modified		
2.2	Labelling according to Regulation (EC) No. 1272/2008 [CLP]	Modified		
8.2	Personal protective equipment	Modified		
9	Physical and chemical properties	Modified		
11	Toxicological information	Modified		
12.	Ecotoxicological information	Modified		
15	Regulatory information	Added		

Abbreviations and acronyms:		
CAS-No.	Chemical Abstract Service number	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DNEL	Derived-No Effect Level	



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Abbreviations and acronyms:		
EC50	Median effective concentration	
ED	Endocrine disrupting properties	
EC-No.	European Community number	
EN	European Standard	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
IOELV	Indicative Occupational Exposure Limit Value	
LC50	Median lethal concentration	
LD50	Median lethal dose	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
N.O.S.	Not Otherwise Specified	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TLM	Median Tolerance Limit	
TRGS	Technical Rules for Hazardous Substances	
VOC	Volatile Organic Compounds	
WGK	Water Hazard Class	
vPvB	Very Persistent and Very Bioaccumulative	
NOAEL	No-Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
LOAEL	Lowest Observed Adverse Effect Level	

Data sources Training advice

Source: European Chemicals Agency, http://echa.europa.eu/. manufacturer. Department issuing data specification sheet.

Full text of H- and EUH-statements:		
Flam. Gas 1A	Flammable gases, Category 1A	
H220	Extremely flammable gas.	
H280	Contains gas under pressure; may explode if heated.	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Press. Gas (Liq.)	Gases under pressure : Liquefied gas	



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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.