

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 19-9-2018 Revision date: 6-1-2023 Supersedes version of: 14-10-2022 Version: 2.4

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

1.1. Product identifier

Product form : Mixture
Trade name : Copper + Plus

UFI : 3R20-S0H9-200Q-URY1

Product code : 09.50.15

Type of product : Lubricants

Vaporizer : Aerosol

Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Industrial use, Professional use, Consumer use

Use of the substance/mixture : Lubricant Function or use category : Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Kroon Oil BV B.V.
Dollegoorweg, 15
NL- 7602 EC Almelo
Netherlands
T 0031 (0)546 81 81 65
vib@kroon-oil.nl

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Cardiff	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411

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. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)







GHS02

GHS07

GHS09

Signal word (CLP)

: Danger

Contains

: Pentane, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

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. P271 - Use only outdoors or in a well-ventilated area.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

EUH-statements

EUH066 - Repeated exposure may cause skin dryness or cracking.

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 ≥ 0.1% assessed in accordance with REACH Annex XIII

Component

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (64742-49-0)

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 %

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]
Butane substance with national workplace exposure limit(s) (GB, IE) (Note K)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0 REACH-no: 01-2119474691- 32	10 – 25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS-No.: 64742-49-0 EC-No.: 920-750-0 REACH-no: 01-2119473851- 33	10 – 25	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Pentane substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	CAS-No.: 109-66-0 EC-No.: 203-692-4 EC Index-No.: 601-006-00-1 REACH-no: 01-2119459286- 30	10 – 25	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Propane substance with a Community workplace exposure limit (Note U)	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944- 21	2,5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Copper (Powder) substance with national workplace exposure limit(s) (GB, IE); substance with a Community workplace exposure limit	CAS-No.: 7440-50-8 EC-No.: 231-159-6	2,5 – 10	Aquatic Acute 1, H400 Aquatic Chronic 3, H412
isobutane substance with national workplace exposure limit(s) (IE) (Note K)	CAS-No.: 75-28-5 EC-No.: 200-857-2 REACH-no: 01-2119485395- 27	2,5 – 20	Flam. Gas 1A, H220 Press. Gas (Comp.), H280

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	CAS-No.: 64742-49-0 EC-No.: 920-750-0 REACH-no: 01-2119473851- 33	(25 ≤C < 100) EUH066	

Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2)

Product subject to CLP Article 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 physician immediately.

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact Wash skin with plenty of water. First-aid measures after eye contact Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion : Risk of lung oedema.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol. Combustible liquid.

Explosion hazard : Pressurised container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Incomplete combustion releases dangerous carbon

monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing

dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. 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 dust/fume/gas/mist/vapours/spray.

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

7.2. Conditions for safe storage, including any 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.

: < 40 °C Storage temperature

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

Butane (106-97-8)				
Ireland - Occupational Exposure Limits				
Local name	Butane, all isomers: Butane			
OEL STEL [ppm]	1000 ppm			
Regulatory reference	Chemical Agents Code of Practice 2021			
United Kingdom - Occupational Exposure Limits				
Local name	Butane			
WEL TWA (OEL TWA) [1]	1450 mg/m³			
WEL TWA (OEL TWA) [2]	600 ppm			
WEL STEL (OEL STEL)	1810 mg/m³			
WEL STEL (OEL STEL) [ppm]	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			
Propane (74-98-6)				
EU - Indicative Occupational Exposure Limit (IOEL)				
IOEL TWA [ppm]	1000 ppm			
Ireland - Occupational Exposure Limits				
Local name	Aliphatic hydrocarbon gases Alkanes (C1-C3): Propane			
Remark	Asphx. (Gaseous chemical substances which may not produce significant physiological effects in the exposed employee, but when present in high concentrations will act as simple asphyxiants)			
Regulatory reference	Chemical Agents Code of Practice 2021			
Pentane (109-66-0)				
EU - Indicative Occupational Exposure Limit (IOEL)				
Local name	Pentane			
IOEL TWA	3000 mg/m³ 3000 mg/m³			
IOEL TWA [ppm]	1000 ppm			

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Pentane (109-86-0) Regulatory reference COMMISSION DIRECTIVE 2008/15/EC Iroland - Occupational Exposure Limits Lecan ame Pentane OEL TWA [1] 3000 mg/m² OEL TWA [2] 1000 ppm Remark IOELV (Indicative Occupational Exposure Limit Values) Regulatory reference Chemical Agenta Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Pentane WeL TWA (OEL TWA) [1] 8000 mg/m² WeL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper Ocper EU - Indicative Occupational Exposure Limit (IOEL) Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper (as Cu) Copp					
CoMMISSION DIRECTIVE 2006/15/EC Iroland - Occupational Exposure Limits	Pentane (109-66-0)				
Local name Pentane OEL TWA [1] 3000 mg/m² OEL TWA [2] 1000 ppm Remark IOELV (Indicative Occupational Exposure Limit Values) Regulatory reference Ohemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Vect a mane Pentane WEL TWA (OEL TWA) [1] 1800 mg/m² WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Ocpper IOEL TWA 0,1 mg/m² (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Opper (as Cu) OEL TWA [1] 2 mg/m² Fume (mg/m² Dust and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name United Kingdom - Occupational Exposure Limits Local name WEL STEL (OEL STEL) <	Regulatory reference				
OEL TWA [1] 3000 mg/m² OEL TWA [2] 1000 ppm Remark 10ELV (Indicative Occupational Exposure Limit Values) Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Pentane WEL TWA (OEL TWA) [1] 1800 mg/m³ WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH4/2005 (Fourth edition, 2020). HSE EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper Oper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (Veltacian) Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (Veltacian) Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (Veltacian) Copper (Powder) (7440-50-8) SCOEL Recommendations Indicative Occupational Exposure Limits Local name Opper (as Cu) Opper (as Cu) United Kingdom - Occupational Expos	Ireland - Occupational Exposure Limits				
OEL TWA [2] 1000 ppm Remark IOELV (Indicative Occupational Exposure Limit Values) Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Pentane WEL TWA (OEL TWA) [1] 1800 mg/m² WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH0/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0.01 mg/m² (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] Quangim² Furne 1 mg/m² Dusts and mists Regulatory reference Copper (as Cu) United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 1.0 g/m² Jume (as Cu) 1 mg/m² and compounds, dusts and mists (as Cu) WEL STEL (OEL ST	Local name	Pentane			
Remark IOELV (Indicative Occupational Exposure Limit Values) Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Pentane WEL TWA (OEL TWA) [1] 1800 mg/m² WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0.01 mg/m² (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Indicative Occupational Exposure Limits Local name Copper (as CU) OEL TWA [1] O2 mg/m² Fume Indicative Implicational Exposure Limits Implicational Exposure Limits Local name Copper (as CU) OL mg/m² fume (as Cu) Indicative Occupational Exposure Limits Local name Copper (as Cu) Indicative Occupational Exposure Limits Indicative Occupational Exposure Limits Local name	OEL TWA [1]	3000 mg/m³			
Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Pentane WEL TWA (OEL TWA) [1] 1800 mg/m³ WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020), HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper (Year of adoption 2014) Regulatory reference SCOEL Recommendations Feland - Occupational Exposure Limits Local name (Year of adoption 2014) Regulatory reference SCOEL Recommendations Feland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper (Opper Sullange) 2,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL TWA (OEL TWA) [1] 2 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (DEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL (ppm) 6000 ppm	OEL TWA [2]	1000 ppm			
United Kingdom - Occupational Exposure Limits Local name Pentane WEL TWA (OEL TWA) [1] 1800 mg/m³ WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0,01 mg/m³ (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (DEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (oel STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Ireland - Occupational Exposure Limits Local name	Remark	IOELV (Indicative Occupational Exposure Limit Values)			
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WEL TWA (OEL TWA) [1] 1800 mg/m² WEL TWA (OEL TWA) [2] 600 ppm Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0.01 mg/m² (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Copper (as Cu) OEL TWA [1] 0,2 mg/m² Fume 1 mg/m² Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m² fume (as Cu) 1 mg/m² and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m² and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL (ppm] 1000 ppm	United Kingdom - Occupational Exposure Limits				
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Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0.01 mg/m³ (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0.2 mg/m³ Furne 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0.2 mg/m³ furne (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	WEL TWA (OEL TWA) [1]	1800 mg/m³			
Copper (Powder) (7440-50-8) EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper IOEL TWA 0,01 mg/m³ (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Furne 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ furne (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE Isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	WEL TWA (OEL TWA) [2]	600 ppm			
EU - Indicative Occupational Exposure Limit (IOEL) Local name Copper OPEL TWA Oper Op	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			
Local name Copper	Copper (Powder) (7440-50-8)				
IOEL TWA 0,01 mg/m³ (respirable fraction) Remark (Year of adoption 2014) Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	EU - Indicative Occupational Exposure Limit (IOEL)				
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Regulatory reference SCOEL Recommendations Ireland - Occupational Exposure Limits Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	IOEL TWA	0,01 mg/m³ (respirable fraction)			
Ireland - Occupational Exposure Limits Copper (as Cu)	Remark	(Year of adoption 2014)			
Local name Copper (as Cu) OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Regulatory reference	SCOEL Recommendations			
OEL TWA [1] 0,2 mg/m³ Fume 1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Ireland - Occupational Exposure Limits				
1 mg/m³ Dusts and mists Regulatory reference Chemical Agents Code of Practice 2021 United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Local name	Copper (as Cu)			
United Kingdom - Occupational Exposure Limits Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	OEL TWA [1]				
Local name Copper WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Regulatory reference	Chemical Agents Code of Practice 2021			
WEL TWA (OEL TWA) [1] 0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	United Kingdom - Occupational Exposure Limits				
1 mg/m³ and compounds, dusts and mists (as Cu) WEL STEL (OEL STEL) 2 mg/m³ and compounds, dusts and mists (as Cu) Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Local name	Copper			
Regulatory reference EH40/2005 (Fourth edition, 2020). HSE isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	WEL TWA (OEL TWA) [1]				
isobutane (75-28-5) Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	WEL STEL (OEL STEL)	2 mg/m³ and compounds, dusts and mists (as Cu)			
Ireland - Occupational Exposure Limits Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE			
Local name Butane, all isomers: Isobutane OEL STEL [ppm] 1000 ppm	isobutane (75-28-5)				
OEL STEL [ppm] 1000 ppm	Ireland - Occupational Exposure Limits				
	Local name	Butane, all isomers: Isobutane			
Regulatory reference Chemical Agents Code of Practice 2021	OEL STEL [ppm]	1000 ppm			
	Regulatory reference	Chemical Agents Code of Practice 2021			

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

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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:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	≥0.35		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : Copper. Appearance : Aerosol. Odour : characteristic.

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Odour threshold : Not available Melting point : Not applicable Freezing point : Not available -44 °C Boiling point

Flammability Extremely flammable aerosol.

Explosive properties Pressurised container: May burst if heated.

Explosive limits Not available Lower explosion limit 0,7 vol % Upper explosion limit : 10,9 vol % : -97 °C Flash point : Not available Auto-ignition temperature : Not available Decomposition temperature : Not available рΗ Viscosity, kinematic : < 20,5 mm²/s (40°C)

Solubility : Water: Insoluble / Slightly miscible

Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : 2100 hPa Vapour pressure at 50°C : Not available Density : 0,735 g/cm³ : Not available Relative density 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

: 94.999999999996 % of flammable ingredients

Critical temperature : > 200 °C

9.2.2. Other safety characteristics

VOC content : 475 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

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Acute toxicity (inhalation) :	Not classified
Hydrocarbons, C7-C9, n-alkanes, isoalkanes,	cyclics (64742-49-0)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat, Remarks on results: other:
LD50 dermal rabbit	> 2800 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 23 mg/l/4h
Pentane (109-66-0)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LC50 Inhalation - Rat	> 25,3 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Copper (Powder) (7440-50-8)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: other:
	Not classified
, 3	Not classified
	Not classified
5 ,	Not classified Not classified
	Not classified
	May cause drowsiness or dizziness.
Hydrocarbons, C7-C9, n-alkanes, isoalkanes,	•
STOT-single exposure	May cause drowsiness or dizziness.
Pentane (109-66-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Hydrocarbons, C7-C9, n-alkanes, isoalkanes,	cyclics (64742-49-0)
NOAEC (inhalation, rat, vapour, 90 days)	24,3 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
Pentane (109-66-0)	
NOAEC (inhalation, rat, vapour, 90 days)	30 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: other:, Guideline: EPA OTS 798.2450 (90-Day Inhalation Toxicity), Guideline: other:, Guideline: other:
Aspiration hazard :	May be fatal if swallowed and enters airways.
Copper + Plus	
Vaporizer	Aerosol
Viscosity, kinematic	< 20,5 mm ² /s (40°C)
Hydrocarbons, C7-C9, n-alkanes, isoalkanes,	cyclics (64742-49-0)
Viscosity, kinematic	0,715 – 0,786 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'
Pentane (109-66-0)	
Viscosity, kinematic	0,356 mm²/s
11.2. Information on other hazards	

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term : Not classified

Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.

(chronic)

(ememo)		
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (64742-49-0)		
LOEC (chronic)	0,32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic) 0,17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
Pentane (109-66-0)		
LC50 - Fish [1]	4,26 mg/l 96h	
EC50 - Crustacea [1]	2,7 mg/l 48h	
Copper (Powder) (7440-50-8)		
LC50 - Fish [1]	11 mg/l	
NOEC chronic fish	11 mg/l 96 hours	

12.2. Persistence and degradability

Hydrocarbons, C7-C9, n-alkanes, isoalkanes,	cyclics (64742-49-0)
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (64742-49-0)	
Ecology - soil	Extremely volatile.

12.5. Results of PBT and vPvB assessment

Copper + Plus

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. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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HP Code

- : 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.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping	g name			
AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics)	AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics)	Aerosols, flammable (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics)	AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics)	AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics)
Fransport document descri	ption			
UN 1950 AEROSOLS (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics), 2.1, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 1950 Aerosols, flammable (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics), 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (Hydrocarbons, C7-C9, n- alkanes, isoalkanes, cyclics), 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard c	lass(es)			
2.1	2.1	2.1	2.1	2.1
2	22	2	**************************************	2
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

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Special provisions (ADR) : 190. 327. 344. 625

Limited quantities (ADR) 11 Excepted quantities (ADR) E0 Packing instructions (ADR) P207 Special packing provisions (ADR) : PP87, RR6, L2

Mixed packing provisions (ADR) : MP9 Transport category (ADR) 2 Special provisions for carriage - Packages (ADR) : V14 : CV9, CV12 Special provisions for carriage - Loading, unloading

and handling (ADR)

Special provisions for carriage - Operation (ADR) : S2 Tunnel restriction code (ADR) : D

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959

Limited quantities (IMDG) SP277 Excepted quantities (IMDG) E0 : P207, LP200 Packing instructions (IMDG) Special packing provisions (IMDG) : PP87, L2 EmS-No. (Fire) : F-D : S-U EmS-No. (Spillage) Stowage category (IMDG) : None Stowage and handling (IMDG) : SW1, SW22 Segregation (IMDG) : SG69

Air transport

PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) Y203 PCA limited quantity max net quantity (IATA) 30kgG PCA packing instructions (IATA) 203 PCA max net quantity (IATA) 75kg CAO packing instructions (IATA) : 203 CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) · 10I

Inland waterway transport

Classification code (ADN) : 5F

190, 327, 344, 625 Special provisions (ADN)

Limited quantities (ADN) 1 L Excepted quantities (ADN) : E0 Equipment required (ADN) : PP, EX, A Ventilation (ADN) : VE01, VE04

Number of blue cones/lights (ADN) 1

Rail transport

Classification code (RID) : 5F

Special provisions (RID) 190, 327, 344, 625

Limited quantities (RID) 1L Excepted quantities (RID) E0 : P207, LP200 Packing instructions (RID) Special packing provisions (RID) : PP87, RR6, L2 Mixed packing provisions (RID) : MP9

Transport category (RID) 2 Special provisions for carriage – Packages (RID) : W14 Special provisions for carriage - Loading, unloading : CW9, CW12

and handling (RID)

Colis express (express parcels) (RID) : CE2 Hazard identification number (RID) : 23

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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)

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)

VOC Directive (2004/42)

VOC content : 475 g/l

Biocide Regulation (528/2012)

Child-resistant fastening : Not applicable Tactile warning : Not applicable

Seveso Directive (Disaster Risk Reduction)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P3a FLAMMABLE AEROSOLS 'Flammable' aerosols Category 1 or 2, containing flammable gases Category 1 or 2 or flammable liquids Category 1	150	500
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

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 chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Type of product	Added	
	Excepted quantities (IMDG)	Added	
	Limited quantities (IMDG)	Added	
1.2	Use of the substance/mixture	Added	
1.2	Function or use category	Added	
3	Composition/information on ingredients	Modified	

Abbreviations and acronyms:	
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
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant

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Abbreviations and acronyms:	
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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.

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