



Supercut 2000

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.
SDS Reference Number: 21497
Issue date: 26/04/2023 Revision date: 02/03/2026 Supersedes version of: 20/02/2026 Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : Supercut 2000
Product code : 7152
Type of product : Metal Working Fluid - Water Soluble
Product group : End product

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

Relevant identified uses

Main use category : Industrial use, Professional use
Function or use category : Metalworking Fluid

Title	Life cycle stage	Use descriptors
(Industrial) Handling and dilution of metalworking fluid concentrates	Industrial, Professional	SU3, PC25, PROC5, PROC8b, ERC2

Full text of use descriptors: see section 16

1.3. Details of the supplier of the safety data sheet

Manufacturer

Morris Lubricants
Castle Foregate
SY1 2EL Shrewsbury, Shropshire
United Kingdom
T +44 (0) 1743 232200
sds@morris-lubricants.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1743 232200
08.45 - 17.00 GMT

Country/Area	Organisation	Emergency number
United Kingdom	NHS 111/NHS 24/NHS Direct.	111 0845 4647 or call a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Skin sensitisation, Category 1 H317

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

Adverse physicochemical, human health and environmental effects

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. 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)



GHS07

Signal word (CLP)

: Warning

Contains

: 1,2-benzisothiazol-3(2H)-one; 2-OCTYL-2H-ISOTHIAZOL-3-ONE; Pyridine-2-thiol 1-oxide, sodium salt

Hazard statements (CLP)

: H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	1H-Benzotriazole (95-14-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	1H-Benzotriazole (95-14-7)

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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

Component	
Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	1H-Benzotriazole (95-14-7)

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrotreated Heavy Naphthenic Distillate substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 64742-52-5 EC-No.: 265-155-0 EC Index-No.: 649-465-00-7 REACH-no: 01-2119467170-45	≥ 10 – < 30	EUH210
Amides, C18-unsatd., N,N-bis(hydroxytheyl)	CAS-No.: 93-83-4 EC-No.: 700-972-2 REACH-no: 01-2119968565-22	≥ 1 – < 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
sulphonic acids, petroleum, sodium salts	CAS-No.: 68608-26-4 EC-No.: 271-781-5 REACH-no: 01-2119527859-22	≥ 1 – < 5	Eye Irrit. 2, H319
Alcohols C9-11, ethoxylated	CAS-No.: 68439-46-3 EC-No.: 614-482-0 REACH-no: 01-2119980051-45	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318
2-phenoxyethanol	CAS-No.: 122-99-6 EC-No.: 204-589-7 EC Index-No.: 603-098-00-9 REACH-no: 01-2119488943-21	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 (ATE=1394 mg/kg bodyweight) STOT SE 3, H335 Eye Dam. 1, H318
2-METHYL-1,5-PENTAMETHYLENEDIAMINE	CAS-No.: 15520-10-2 EC-No.: 239-556-6 REACH-no: 01-2119976310-41	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 (ATE=1170 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1870 mg/kg bodyweight) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=4.9 mg/l/4h) Skin Corr. 1A, H314 STOT SE 3, H335
Fatty acids, tall-oil, reaction products with acrylic acid	CAS-No.: 1469983-44-5 EC-No.: 939-424-4 REACH-no: 01-2119972299-21	≥ 1 – < 5	Skin Irrit. 2, H315 Eye Dam. 1, H318
2,2'-iminodiethanol substance with national workplace exposure limit(s) (NO)	CAS-No.: 111-42-2 EC-No.: 203-868-0 EC Index-No.: 603-071-00-1 REACH-no: 01-2119488930-28	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=1600 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373
Alcohols, C11-C14	CAS-No.: 68526-86-3 EC-No.: 271-235-6 REACH-no: 01-2119454259-32	≥ 0.1 – < 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-aminopropan-2-ol	CAS-No.: 78-96-6 EC-No.: 201-162-7 EC Index-No.: 603-082-00-1 REACH-no: 01-2119475331-43, UK-01-4289274286-9	< 1	Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Corr. 1B, H314 Repr. 2, H361f Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1H-Benzotriazole substance identified as having endocrine disrupting properties	CAS-No.: 95-14-7 EC-No.: 202-394-1 EC Index-No.: 613-350-00-X REACH-no: 01-2119979079-20	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=560 mg/kg bodyweight) Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Pyridine-2-thiol 1-oxide, sodium salt	CAS-No.: 3811-73-2 EC-No.: 223-296-5 EC Index-No.: 613-344-00-7 REACH-no: 01-2119493385-28	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=1208 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=0.00108 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
Propane-1,2-diol substance with national workplace exposure limit(s) (GB, NO)	CAS-No.: 57-55-6 EC-No.: 200-338-0 REACH-no: 01-2119456809-23	< 0.1	Not classified
2-OCTYL-2H-ISOTHIAZOL-3-ONE	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5 REACH-no: 01-2120768921-45	< 0.1	Acute Tox. 3 (Oral), H301 (ATE=125 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=311 mg/kg bodyweight) Acute Tox. 2 (Inhalation), H330 (ATE=0.05 mg/l/4h) Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	< 0.1	Acute Tox. 4 (Oral), H302 (ATE=450 mg/kg bodyweight) Acute Tox. 2 (Inhalation:dust,mist), H330 (ATE=0.21 mg/l) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium Hydroxide substance with national workplace exposure limit(s) (GB, NO)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	< 0.1	Skin Corr. 1A, H314

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
2-OCTYL-2H-ISOTHIAZOL-3-ONE	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5 REACH-no: 01-2120768921-45	(0.0015 ≤ C ≤ 100) Skin Sens. 1A; H317

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
1,2-benzisothiazol-3(2H)-one	CAS-No.: 2634-33-5 EC-No.: 220-120-9 EC Index-No.: 613-088-00-6 REACH-no: 01-2120761540-60	(0.05 ≤ C ≤ 100) Skin Sens. 1; H317
Sodium Hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	(0.5 ≤ C < 2) Skin Irrit. 2; H315 (0.5 ≤ C < 2) Eye Irrit. 2; H319 (2 ≤ C < 5) Skin Corr. 1B; H314 (5 ≤ C ≤ 100) Skin Corr. 1A; H314

Comments : Mineral oil contained may be described by one or more of the following:
EC No. 265-157-1,Registration No. 01-2119484627-25 (UK-01-1759217276-5),Distillates (petroleum), hydrotreated heavy paraffinic;
EC No. 265-169-7,Registration No. 01-2119471299-27 (UK-01-0119695008-1),Distillates (petroleum), solvent-dewaxed heavy paraffinic;
EC No. 265-158-7,Registration No. 01-2119487077-29 (UK-01-6871927170-9),Distillates (petroleum), hydrotreated light paraffinic;
EC No. 265-159-2,Registration No. 01-2119480132-48 (UK-01-6953758963-7),Distillates (petroleum), solvent-dewaxed light paraffinic

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 : If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : If 'in use' metalworking fluid emulsion give rise to irritation or skin rashes, possible contamination and/or usage conditions may need to be investigated. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Do not induce vomiting. Rinse mouth out with water. Drink a few glasses of water or milk. Product contains petroleum based material, which, if aspirated into the lungs may result in chemical pneumonia. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If aspiration into lungs occurs, admit to hospital immediately. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : None under normal conditions.

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.

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

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Nitrogen oxides (NO_x). Sulphur oxides (SO_x). Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material. Collect leaking and spilled liquid in sealable containers as far as possible. Clean contaminated surfaces with an excess of water. This material and its container must be disposed of in a safe way, and as per local legislation.
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

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Protect against frost.

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Storage temperature : 5 – 25 °C
Packaging materials : Always store product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	5 mg/m ³
IOEL STEL	10 mg/m ³
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	5 mg/m ³
WEL STEL (OEL STEL)	10 mg/m ³
Propane-1,2-diol (57-55-6)	
United Kingdom - Occupational Exposure Limits	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA)	10 mg/m ³ particulates 474 mg/m ³ total vapour and particulates
	150 ppm total vapour and particulates
WEL STEL (OEL STEL)*	30 mg/m ³
	450 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

*STEL value is calculated based on the TWA limit

Sodium Hydroxide (1310-73-2)	
United Kingdom - Occupational Exposure Limits	
Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible. Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Eye protection

Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	

Skin protection

Skin and body protection:

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

Hand protection:

Protective gloves

Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)		>0.35		EN 420, EN 374-2, EN 374-3

Respiratory protection

Respiratory protection:

For protection against metal working fluids, respiratory protection that is classified as "resistant to oil" (class R) or oil proof (class P) should be selected where appropriate. Depending on the level of airborne contaminants, an air-purifying, half-mask respirator (with HEPA filter) including disposable (P- or R-series) (for oil mists less than 50mg/m³), or any powered, air-purifying respirator equipped with hood or helmet and HEPA filter (for oil mists less than 125 mg/m³). Where organic vapours are a potential hazard during metalworking operations, a combination particulate and organic vapour filter may be necessary.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green - blue.
Appearance	: Liquid.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not flammable
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 9.2
pH solution concentration	: 3 %
Viscosity, kinematic @ 40°C	: Not available
Solubility	: Emulsifiable.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: 1.026
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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

Acute toxicity (oral) : Not classified

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Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified.

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
LD50 oral rat	> 5000 mg/kg IUCLID
LD50 dermal rabbit	> 5000 mg/kg
sulphonic acids, petroleum, sodium salts (68608-26-4)	
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
1H-Benzotriazole (95-14-7)	
LD50 oral rat	560 mg/kg Corporate Solution From Thomson Micromedex
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:
2-phenoxyethanol (122-99-6)	
LD50 dermal rat	14391 mg/kg bodyweight Animal: rat,
LD50 dermal rabbit	> 2214 mg/kg bodyweight Animal: rabbit
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LD50 oral rat	1020 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols C9-11, ethoxylated (68439-46-3)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Propane-1,2-diol (57-55-6)	
LD50 oral rat	22000 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 44.9 mg/m ³
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
LD50 oral rat	1208 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LC50 Inhalation - Rat	1.08 mg/m ³ Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation))
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
LD50 oral rat	6176 mg/kg bodyweight Animal: rat, Remarks on results: other:, 95% CL: 5548,9 - 6803,1
2,2'-iminodiethanol (111-42-2)	
LD50 oral rat	1600 mg/kg ECHA
Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	
LD50 oral rat	10000 mg/kg bodyweight Animal: rat, Animal sex: male
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:

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2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
LD50 oral rat	1170 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1000 - 1360
LD50 dermal rat	1870 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 1700 - 2050
LC50 Inhalation - Rat (Dust/Mist)	4.9 mg/l/4h
Sodium Hydroxide (1310-73-2)	
LD50 dermal rabbit	325 mg/kg ECHA
Alcohols, C11-C14 (68526-86-3)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
1-aminopropan-2-ol (78-96-6)	
LD50 oral rat	2813 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:
Skin corrosion/irritation	: Causes skin irritation. pH: 9.2
Additional information	: Repeated exposure may cause skin dryness or cracking.
2-phenoxyethanol (122-99-6)	
pH	7
Alcohols C9-11, ethoxylated (68439-46-3)	
pH	6.8
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
pH	3.1
2,2'-iminodiethanol (111-42-2)	
pH	11 HSDB
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9.2
2-phenoxyethanol (122-99-6)	
pH	7
Alcohols C9-11, ethoxylated (68439-46-3)	
pH	6.8
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
pH	3.1
2,2'-iminodiethanol (111-42-2)	
pH	11 HSDB
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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2,2'-iminodiethanol (111-42-2)	
NOAEL (chronic, oral, animal/male, 2 years)	64 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies)
IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
2-phenoxyethanol (122-99-6)	
LOAEL (animal/male, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male
LOAEL (animal/female, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
NOAEL (animal/female, F0/P)	112 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F1)	56.6 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
Propane-1,2-diol (57-55-6)	
NOAEL (animal/female, F0/P)	10100 mg/kg bodyweight Mouse
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
LOAEL (animal/male, F0/P)	2.8 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
LOAEL (animal/female, F0/P)	1.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
LOAEL (animal/male, F1)	2.8 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
LOAEL (animal/female, F1)	1.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/male, F0/P)	1.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F0/P)	0.7 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/male, F1)	1.4 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
NOAEL (animal/female, F1)	0.7 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPPTS 870.3800 (Reproduction and Fertility Effects)
STOT-single exposure	: Not classified
2-phenoxyethanol (122-99-6)	
STOT-single exposure	May cause respiratory irritation.
2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

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sulphonic acids, petroleum, sodium salts (68608-26-4)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
2-phenoxyethanol (122-99-6)	
LOAEL (oral, rat, 90 days)	> 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Alcohols C9-11, ethoxylated (68439-46-3)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Propane-1,2-diol (57-55-6)	
NOAEL (oral, rat, 90 days)	1700 mg/kg bodyweight/day
NOAEL (subchronic, oral, animal/male, 90 days)	443 mg/kg bodyweight Animal: cat, Animal sex: male
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
LOAEL (oral, rat, 90 days)	1.5 mg/kg bodyweight
NOAEL (oral, rat, 90 days)	0.5 mg/kg bodyweight
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
NOAEL (oral, rat, 90 days)	≈ 271 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
2,2'-iminodiethanol (111-42-2)	
LOAEL (dermal, rat/rabbit, 90 days)	32 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.003 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	
LOAEL (dermal, rat/rabbit, 90 days)	50 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	> 750 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard

: Not classified

Additional information

: Although not classified, the product contains mineral oil. If aspirated into the lungs e.g. through vomiting after ingestion, admit to hospital immediately.

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Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
Viscosity, kinematic @ 40°C	22 mm ² /s
2-phenoxyethanol (122-99-6)	
Viscosity, kinematic @ 40°C	19.369 mm ² /s
Alcohols C9-11, ethoxylated (68439-46-3)	
Viscosity, kinematic @ 40°C	23 mm ² /s
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
Viscosity, kinematic @ 40°C	6.687 mm ² /s @20C
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
Viscosity, kinematic @ 40°C	4200 mm ² /s
2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
Viscosity, kinematic @ 40°C	3.468 mm ² /s
Alcohols, C11-C14 (68526-86-3)	
Viscosity, kinematic @ 40°C	48 mm ² /s 20°C
1-aminopropan-2-ol (78-96-6)	
Viscosity, kinematic @ 40°C	31.458 mm ² /s

11.2. Information on other hazards

Endocrine disrupting properties

Component	
1H-Benzotriazole (95-14-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
LC50 - Fish [1]	> 5000 mg/l IUCLID
EC50 - Crustacea [1]	> 1000 mg/l IUCLID
EC50 96h - Algae [1]	> 1000 mg/l IUCLID
sulphonic acids, petroleum, sodium salts (68608-26-4)	
EC50 72h - Algae [1]	> 1000 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	> 1000 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)

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1H-Benzotriazole (95-14-7)	
LC50 - Fish [1]	180 mg/l Danio rerio (Brachydanio rerio)
LC50 - Fish [2]	180 mg/l Danio rerio (Brachydanio rerio)
EC50 - Crustacea [1]	137 mg/l Daphnia magna
EC50 72h - Algae [1]	75 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	29 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)
2-phenoxyethanol (122-99-6)	
LC50 - Fish [1]	344 mg/l Pimephales promelas
EC50 - Crustacea [1]	> 500 mg/l Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Desmodesmus subspicatus
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
LC50 - Fish [1]	16.7 mg/l Cyprinodon variegatus
LC50 - Fish [2]	2.15 mg/l Oncorhynchus mykiss (Salmo gairdneri)
EC50 - Crustacea [1]	2.94 mg/l Daphnia magna
EC50 - Crustacea [2]	2.9 mg/l Daphnia magna
Alcohols C9-11, ethoxylated (68439-46-3)	
LC50 - Fish [1]	5 – 7 mg/l Oncorhynchus mykiss (Salmo gairdneri)
EC50 - Crustacea [1]	2.5 mg/l Daphnia magna
EC50 96h - Algae [1]	1.4 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)
Propane-1,2-diol (57-55-6)	
LC50 - Fish [1]	51600 mg/l Oncorhynchus mykiss
LC50 - Fish [2]	51400 mg/l Pimephales promelas
EC50 - Crustacea [1]	18340 mg/l Ceriodaphnia Dubia
EC50 72h - Algae [1]	24200 mg/l Pseudokirchneriella subcapitata
EC50 72h - Algae [2]	19300 mg/l Skeletonema costatum
EC50 96h - Algae [1]	19000 mg/l Raphidocelis subcapitata
EC50 96h - Algae [2]	19100 mg/l Skeletonema costatum
NOEC chronic fish	2500 mg/l
NOEC chronic crustacea	13020 mg/l
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
LC50 - Fish [1]	7.3 µg/l Oncorhynchus mykiss
EC50 - Crustacea [1]	0.6 mg/l Daphnia magna
EC50 72h - Algae [1]	0.22 mg/l Desmodesmus subspicatus
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
LC50 - Fish [1]	15 mg/l Pimephales promelas
EC50 72h - Algae [1]	62.9 mg/l Pseudokirchneriella subcapitata (Raphidocelis subcapitata, Selenastrum capricornutum)

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Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
EC50 96h - Algae [1]	87.6 mg/l Pseudokirchneriella subcapitata (Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	> 4.83 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	> 4.83 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
2,2'-iminodiethanol (111-42-2)	
LC50 - Fish [1]	460 mg/l Oncorhynchus mykiss (Salmo gairdneri)
EC50 - Crustacea [1]	30.1 mg/l ECHA
EC50 - Crustacea [2]	89.9 mg/l Ceriodaphnia dubia
EC50 72h - Algae [1]	9.5 mg/l ECHA
LOEC (chronic)	1.56 mg/l Daphnia magna '21 d'
NOEC (chronic)	0.78 mg/l Daphnia magna '21 d'
NOEC chronic fish	> 1 mg/l
Amides, C18-unsatd., N,N-bis(hydroxyethyl) (93-83-4)	
LC50 - Fish [1]	5.1 mg/l Danio rerio (Brachydanio rerio)
EC50 - Crustacea [1]	3.2 mg/l Daphnia magna
EC50 72h - Algae [1]	18.6 mg/l Desmodesmus subspicatus (Scenedesmus subspicatus)
EC50 72h - Algae [2]	23.4 mg/l Desmodesmus subspicatus (Scenedesmus subspicatus)
LOEC (chronic)	0.32 mg/l Daphnia magna '21 d'
NOEC (chronic)	0.1 mg/l Daphnia magna '21 d'
NOEC chronic fish	0.32 mg/l Oncorhynchus mykiss (Salmo gairdneri) '28 d'
2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
LC50 - Fish [1]	1825 mg/l Pimephales promelas
EC50 72h - Algae [1]	> 100 mg/l Raphidocelis subcapitata (Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	> 4.16 mg/l Daphnia magna '21 d'
NOEC (chronic)	4.16 mg/l Daphnia magna '21 d'
Sodium Hydroxide (1310-73-2)	
LC50 - Fish [1]	125 mg/l
EC50 - Crustacea [1]	40.4 mg/l Ceriodaphnia sp.
Alcohols, C11-C14 (68526-86-3)	
LC50 - Fish [1]	0.42 mg/l Oncorhynchus mykiss (Salmo gairdneri)
EC50 72h - Algae [1]	2.6 mg/l
EC50 72h - Algae [2]	3.2 mg/l
NOEC (chronic)	0.052 mg/l Daphnia magna '16 d'
NOEC chronic fish	0.047 mg/l '30 d'
1-aminopropan-2-ol (78-96-6)	
LC50 - Fish [1]	215 – 464 mg/l Leuciscus idus
LC50 - Fish [2]	> 1000 mg/l Leuciscus idus

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1-aminopropan-2-ol (78-96-6)	
EC50 - Crustacea [1]	108.82 mg/l Daphnia magna
EC50 72h - Algae [1]	32.7 mg/l Desmodesmus subspicatus (Scenedesmus subspicatus)
NOEC (chronic)	< 1 mg/l Daphnia magna
NOEC chronic fish	> 1 mg/l

12.2. Persistence and degradability

Supercut 2000	
Persistence and degradability	Not rapidly degradable
Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
Persistence and degradability	Not rapidly degradable
sulphonic acids, petroleum, sodium salts (68608-26-4)	
Persistence and degradability	Not rapidly degradable
1H-Benzotriazole (95-14-7)	
Persistence and degradability	Not rapidly degradable
2-phenoxyethanol (122-99-6)	
Persistence and degradability	Not rapidly degradable
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Persistence and degradability	Not rapidly degradable
Alcohols C9-11, ethoxylated (68439-46-3)	
Persistence and degradability	Not rapidly degradable
Propane-1,2-diol (57-55-6)	
Persistence and degradability	Product is biodegradable.
Biodegradation	81 % 28 days; 96% @ 64 days
2-OCTYL-2H-ISOTHIAZOL-3-ONE (26530-20-1)	
Persistence and degradability	Not rapidly degradable
Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)	
Persistence and degradability	Not rapidly degradable
Fatty acids, tall-oil, reaction products with acrylic acid (1469983-44-5)	
Persistence and degradability	Not rapidly degradable
2,2'-iminodiethanol (111-42-2)	
Persistence and degradability	Not rapidly degradable
Amides, C18-unsatd., N,N-bis(hydroxytheyl) (93-83-4)	
Persistence and degradability	Not rapidly degradable
2-METHYL-1,5-PENTAMETHYLENEDIAMINE (15520-10-2)	
Persistence and degradability	Not rapidly degradable
Sodium Hydroxide (1310-73-2)	
Persistence and degradability	Not rapidly degradable

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Alcohols, C11-C14 (68526-86-3)	
Persistence and degradability	Not rapidly degradable
1-aminopropan-2-ol (78-96-6)	
Persistence and degradability	Not rapidly degradable
12.3. Bioaccumulative potential	
Hydrotreated Heavy Naphthenic Distillate (64742-52-5)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6 IUCLID
1H-Benzotriazole (95-14-7)	
Partition coefficient n-octanol/water (Log Pow)	1.44 ChemIDplus
1,2-benzisothiazol-3(2H)-one (2634-33-5)	
Partition coefficient n-octanol/water (Log Pow)	0.64
Propane-1,2-diol (57-55-6)	
Bioconcentration factor (BCF REACH)	≈ 0.09
Partition coefficient n-octanol/water (Log Pow)	-1.07
2,2'-iminodiethanol (111-42-2)	
Partition coefficient n-octanol/water (Log Pow)	-1.43 ICSC
Sodium Hydroxide (1310-73-2)	
Partition coefficient n-octanol/water (Log Pow)	-3.88 SRC
1-aminopropan-2-ol (78-96-6)	
Partition coefficient n-octanol/water (Log Kow)	-0.93
12.4. Mobility in soil	
Propane-1,2-diol (57-55-6)	
Surface tension	71.6 mN/m
Additional information	soluble in water
2,2'-iminodiethanol (111-42-2)	
Mobility in soil	1 – 10 ECHA
12.5. Results of PBT and vPvB assessment	
Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	1H-Benzotriazole (95-14-7)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	1H-Benzotriazole (95-14-7)
12.6. Endocrine disrupting properties	
Component	
1H-Benzotriazole (95-14-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Diluted fluid and spent emulsions should be disposed of to licensed disposal sites or alternatively may be treated (ultrafiltration, chemical splitting) in an appropriate facility to separate mineral oil and other components from the water phase. The resultant water phase may contain dissolved salts, surfactants, trace hydrocarbons etc and should not be discharged to drain without approval from the appropriate authority. The non aqueous phase may be incinerated under controlled conditions at a licensed facility. Undiluted fluid: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.
European List of Waste (LoW, EC 2000/532)	: 13 01 05* - non-chlorinated emulsions 15 01 10* - packaging containing residues of or contaminated by dangerous substances
HP Code	: HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. 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 number				
Not regulated for transport				
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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Inland waterway transport

Not regulated

Rail transport

Not regulated

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

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 (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (EU 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 (EC 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)

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Supersedes version of	Added
	Revision date	Added
2.2	Precautionary statements (CLP)	Modified
13.1	Waste treatment methods	Modified

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Abbreviations and acronyms:	
ACGIH	American Conference of Governmental Industrial Hygienists
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)
CAS-No.	Chemical Abstracts Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
CSA	Chemical safety assessment
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disruptor
EN	European Standard
EWC	European waste catalogue
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
Log Kow	Partition coefficient n-octanol/water (Log Kow)
Log Pow	Partition coefficient n-octanol/water (Log Pow)
MAK	maximum workplace concentration
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
N.O.S.	Not Otherwise Specified
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
OSHA	Occupational Safety Health Administration
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
PPE	Personal protection equipment
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet

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According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Abbreviations and acronyms:

STP	Sewage treatment plant
TF	Technical function
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
TWA	Time Weighted Average
VOC	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	Unique Formula Identifier

Full text of H- and EUH-statements:

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic 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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.

Supercut 2000

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law, and based on EU 2020/878.

Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

Full text of use descriptors	
ERC2	Formulation into mixture
PC25	Metal working fluids
PROC5	Mixing or blending in batch processes
PROC8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
SU3	Industrial uses: Uses of substances as such or in preparations at industrial sites

The classification complies with : ATP 12

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.