



Supercut 3000

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 21502
Issue date: 24/10/2023 Revision date: 24/10/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Supercut 3000
Product code : 7171
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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Metalworking coolant/lubricant concentrate which is normally to be diluted in water prior to use (typical dilutions 2-5% in water)
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

1.2.2. Uses advised against

No additional information available

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

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 1 H318
Skin sensitisation, Category 1 H317
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

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.

Supercut 3000

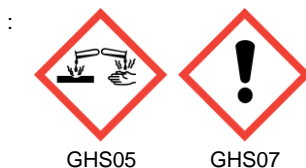
Safety Data Sheet

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

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

EUH-statements

- : Danger
- : Benzene mono-C10-13-alkyl derivatives, distillation residues, sulfonated, sodium salts; Alcohols C9-11, ethoxylated; Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (4-11 EO); 2-phenoxyethanol; 1,2-benzisothiazol-3(2H)-one; 2-methylpentane-1,5-diamine
- : H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H412 - Harmful to aquatic life with long lasting effects.
- : P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective clothing, eye protection, face protection.
P302+P352 - IF ON SKIN: Wash with plenty of 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.
P501 - Dispose of contents and container to a hazardous or special waste collection point.
- : EUH070 - Toxic by eye contact.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH 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] |
|---|--|------------------|---|
| 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 | $\geq 10 - < 30$ | Not classified |
| Highly refined mineral oil (C15 - C50) substance with national workplace exposure limit(s) (BE, BG, CZ, DK, FI, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK, IS, NO, CH) | - | $\geq 5 - < 10$ | Not classified |
| Benzene mono-C10-13-alkyl derivatives, distillation residues, sulfonated, sodium salts | CAS-No.: 2156592-65-1 EC-No.: 944-207-2 REACH-no: 01-2120138372-62 | $\geq 1 - < 5$ | Skin Irrit. 2, H315 Skin Sens. 1B, H317 |

Supercut 3000

Safety Data Sheet

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

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------------|---|
| 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 |
| N-N-Bis(2-hydroxyethyl)oleamide | CAS-No.: 93-83-4 EC-No.: 202-281-7 REACH-no: 01-2120785132-57 | ≥ 1 – < 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 (M=10) |
| 2-methylpentane-1,5-diamine | 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), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 |
| 2-(2-Butoxyethoxy)ethanol substance with national workplace exposure limit(s) (GB, NO); substance with a Community workplace exposure limit | CAS-No.: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104-44 | ≥ 1 – < 5 | Eye Irrit. 2, H319 |
| Alkyl ether phosphate | CAS-No.: 9046-01-9 | ≥ 1 – < 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (4-11 EO) | CAS-No.: 53563-70-5 | ≥ 1 – < 5 | Eye Dam. 1, H318 |
| Rapeseed oil diethanolamide | CAS-No.: 68187-80-4 EC-No.: 269-125-8 | ≥ 1 – < 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Sulfonic 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 |
| 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=500 mg/kg bodyweight) Eye Dam. 1, H318 STOT SE 3, H335 |
| 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 – < 1 | Acute Tox. 4 (Oral), H302 (ATE=1020 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 |

Supercut 3000

Safety Data Sheet

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

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------------|--|
| 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=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10) EUH070 |
| Benzenesulfonic acid, mono-C11-13-branched alkyl derivs., sodium salts | CAS-No.: 68608-89-9 EC-No.: 271-808-0 REACH-no: 01-2119978304-32 | ≥ 0.1 – < 1 | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 |

| 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 |

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 after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. If 'in use' metalworking fluid emulsion give rise to irritation or skin rashes, possible contamination and/or usage conditions may need to be investigated. |
| 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. |

Supercut 3000

Safety Data Sheet

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

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

| | |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |

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

| | |
|--|---|
| Hazardous decomposition products in case of fire | : Nitrogen oxides (NOx). Sulphur oxides (SOx). Carbon dioxide. Carbon monoxide. |
|--|---|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Cool laterally with water containers exposed to flames, even after the fire is extinguished. |
| 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. Avoid contact with skin and eyes. Avoid breathing spray, mist. |
|----------------------|---|

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. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not touch or walk on the spilled product. |
| 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

| | |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing mist, 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. |

Supercut 3000

Safety Data Sheet

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

7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------------------|--|
| Storage conditions | : Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Protect against frost. |
| Storage temperature | : 5 – 25 °C |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Highly refined mineral oil (C15 - C50) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| WEL TWA (OEL TWA) [1] | 5 mg/m ³ |
| WEL STEL (OEL STEL) | 10 mg/m ³ |
| Regulatory reference | EU OEL |
| 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) [1] | 5 mg/m ³ |
| WEL STEL (OEL STEL) | 10 mg/m ³ |
| 2-(2-Butoxyethoxy)ethanol (112-34-5) | |
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-(2-Butoxyethoxy)ethanol |
| IOEL TWA | 67.5 mg/m ³ |
| IOEL TWA [ppm] | 10 ppm |
| IOEL STEL | 101.2 mg/m ³ |
| IOEL STEL [ppm] | 15 ppm |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| United Kingdom - Occupational Exposure Limits | |
| Local name | 2-(2-Butoxyethoxy)ethanol |
| WEL TWA (OEL TWA) [1] | 67.5 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 10 ppm |
| WEL STEL (OEL STEL) | 101.2 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 15 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

Supercut 3000

Safety Data Sheet

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

8.1.2. 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. |

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. 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.

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

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. 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

Supercut 3000

Safety Data Sheet

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

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

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. 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.

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 | : 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 | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 8.8 |
| pH solution concentration | : 5 % |
| Viscosity, kinematic @ 40°C | : Not available |
| Solubility | : Not available |
| 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 | : ≈ 0.92 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

Supercut 3000

Safety Data Sheet

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

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

N-N-Bis(2-hydroxyethyl)oleamide (93-83-4)

| | |
|---------------|--|
| LD50 oral rat | 12400 mg/kg Source: National Library of Medicine |
|---------------|--|

Rapeseed oil diethanolamide (68187-80-4)

| | |
|--------------------|---|
| LD50 oral rat | 10000 mg/kg bodyweight Animal: rat, Animal sex: male |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other: |

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)

| | |
|--------------------|-----------------------------|
| LD50 oral rat | > 5000 mg/kg Source: IUCLID |
| LD50 dermal rabbit | > 5000 mg/kg |

Sulfonic 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) |

2-(2-Butoxyethoxy)ethanol (112-34-5)

| | |
|--------------------|--|
| LD50 dermal rabbit | 2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645 |
|--------------------|--|

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/4h Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other: |

Supercut 3000

Safety Data Sheet

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

| | |
|--|--|
| 2-phenoxyethanol (122-99-6) | |
| LD50 dermal rat | 14391 mg/kg bodyweight Animal: rat, Remarks on results: other: |
| LD50 dermal rabbit | > 2214 mg/kg bodyweight Animal: rabbit, Guideline: other: |
| 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) |
| 2-methylpentane-1,5-diamine (15520-10-2) | |
| LD50 oral rat | 1170 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Remarks on results: other:, 95% CL: 1000 - 1360 |
| LD50 dermal rat | 1870 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other:, 95% CL: 1700 - 2050 |
| 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/l air Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)) |
| Skin corrosion/irritation | : Causes skin irritation. pH: 8.8 |
| Additional information | : Repeated exposure may cause skin dryness or cracking. |
| Alcohols C9-11, ethoxylated (68439-46-3) | |
| pH | 6.8 |
| 2-phenoxyethanol (122-99-6) | |
| pH | 7 |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 8.8 |
| Alcohols C9-11, ethoxylated (68439-46-3) | |
| pH | 6.8 |
| 2-phenoxyethanol (122-99-6) | |
| pH | 7 |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction. |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| 2-phenoxyethanol (122-99-6) | |
| LOAEL (animal/male, F1) | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other: |
| LOAEL (animal/female, F1) | ≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other: |
| 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) |

Supercut 3000

Safety Data Sheet

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

| 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-methylpentane-1,5-diamine (15520-10-2) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure : Not classified | |
| Rapeseed oil diethanolamide (68187-80-4) | |
| 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) |
| 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) |
| Sulfonic 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-(2-Butoxyethoxy)ethanol (112-34-5) | |
| NOAEL (oral, rat, 90 days) | 250 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) |
| 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) |

Supercut 3000

Safety Data Sheet

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

| 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) |

| 2-methylpentane-1,5-diamine (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) |

| Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 1.5 mg/kg bodyweight Animal: rat, Guideline: other: |
| NOAEL (oral, rat, 90 days) | 0.5 mg/kg bodyweight Animal: rat, Guideline: other: |

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.

| Hydrotreated Heavy Naphthenic Distillate (64742-52-5) | |
|---|----------|
| Viscosity, kinematic @ 40°C | 22 mm²/s |

| 2-(2-Butoxyethoxy)ethanol (112-34-5) | |
|--------------------------------------|---------------|
| Viscosity, kinematic @ 40°C | ≈ 6.794 mm²/s |

| Alcohols C9-11, ethoxylated (68439-46-3) | |
|--|---------------|
| Viscosity, kinematic @ 40°C | 23 mm²/s @40C |

| 2-phenoxyethanol (122-99-6) | |
|-----------------------------|--------------|
| Viscosity, kinematic @ 40°C | 19.369 mm²/s |

| 2-methylpentane-1,5-diamine (15520-10-2) | |
|--|-------------|
| Viscosity, kinematic @ 40°C | 3.468 mm²/s |

| Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2) | |
|---|---|
| Viscosity, kinematic @ 40°C | 6.687 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Other information : In use in machine sumps the prepared emulsion may become contaminated with other materials that may bring additional hazards. These include abrasive metallic particles, tramp oils and bacterial contamination.

SECTION 12: Ecological information

12.1. Toxicity

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

Supercut 3000

Safety Data Sheet

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

Hazardous to the aquatic environment, long-term : Harmful to aquatic life with long lasting effects.
(chronic)
Not rapidly degradable

| N-N-Bis(2-hydroxyethyl)oleamide (93-83-4) | |
|---|--|
| LC50 - Fish [1] | 1.5 mg/l Source: Chemical Risk Information Platform |
| EC50 - Crustacea [1] | 0.05 mg/l Source: Chemical Risk Information Platform |
| EC50 72h - Algae [1] | 35 mg/l Source: Chemical Risk Information Platform |
| Rapeseed oil diethanolamide (68187-80-4) | |
| LC50 - Fish [1] | 5.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | ≈ 3.2 mg/l Test organisms (species): Daphnia magna |
| LOEC (chronic) | 0.24 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 0.32 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |
| Hydrotreated Heavy Naphthenic Distillate (64742-52-5) | |
| LC50 - Fish [1] | > 5000 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |
| Sulfonic Acids, Petroleum, Sodium Salts (68608-26-4) | |
| EC50 72h - Algae [1] | > 1000 mg/l Pseudokirchneriella subcapitata |
| EC50 96h - Algae [1] | > 1000 mg/l Pseudokirchneriella subcapitata |
| 2-(2-Butoxyethoxy)ethanol (112-34-5) | |
| LC50 - Fish [1] | 1300 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| Alcohols C9-11, ethoxylated (68439-46-3) | |
| LC50 - Fish [1] | 5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 2.5 mg/l Test organisms (species): Daphnia magna |
| EC50 96h - Algae [1] | 1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| 2-phenoxyethanol (122-99-6) | |
| LC50 - Fish [1] | 344 mg/l Test organisms (species): Pimephales promelas |
| EC50 - Crustacea [1] | > 500 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) | |
| LC50 - Fish [1] | 2.18 mg/l Source: ECHA registration data |
| LC50 - Fish [2] | 2.15 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 2.94 mg/l Source: ECHA registration data |
| EC50 - Crustacea [2] | 2.9 mg/l Test organisms (species): Daphnia magna |

Supercut 3000

Safety Data Sheet

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

2-methylpentane-1,5-diamine (15520-10-2)

| | |
|----------------------|--|
| LC50 - Fish [1] | 1825 mg/l Test organisms (species): Pimephales promelas |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | > 4.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 4.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

Pyridine-2-thiol 1-oxide, sodium salt (3811-73-2)

| | |
|----------------------|--|
| LC50 - Fish [1] | 7.3 µg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 0.6 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.22 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

N-N-Bis(2-hydroxyethyl)oleamide (93-83-4)

| | |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | 5.07 Source: Uakron |
|---|---------------------|

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)

| | |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
|---|------------------------|

Sulfonic Acids, Petroleum, Sodium Salts (68608-26-4)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | 22.12 |
|---|-------|

1,2-benzisothiazol-3(2H)-one (2634-33-5)

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.64 |
|---|------|

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

Supercut 3000

Safety Data Sheet

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------------------|--|
| 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. |
| European List of Waste (LoW) code | : 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 | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 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

Inland waterway transport

Not regulated

Rail transport

Not regulated

Supercut 3000

Safety Data Sheet

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

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)

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

A chemical safety assessment has been carried out

SECTION 16: Other information

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 |

Supercut 3000

Safety Data Sheet

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

| Abbreviations and acronyms: | |
|-----------------------------|--|
| 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 |
| 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: | |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), 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 |
| EUH070 | Toxic by eye contact. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |

Supercut 3000

Safety Data Sheet

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

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| 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. |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| Skin Sens. 1B | Skin sensitisation, category 1B |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| 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.