

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 04/11/2021 Revision date: 25/01/2023 Supersedes version of: 08/09/2022 Version: 2.2

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

1.1. Product identifier

Product form : Mixture

Trade name : KOPR-KOTE® Anti-Seize

Product code : J465 Product group : Mixtures

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

### 1.2.1. Relevant identified uses

No additional information available

# 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

Distributor Manufacturer

Whitmore Manufacturing LLC Whitmore Europe Limited

930 Whitmore Drive

Foster Avenue, Woodside Park Industrial Estate 75087 Rockwall, Texas USA

Dunstable, Bedfordshire, LU5 5TA

T 1.972.771.1000 United Kingdom T +44 1707 379870 Regulatory@whitmores.com - www.jetlube.com

Regulatory@whitmores.com - www.whitmores.com

1.4. Emergency telephone number

: For Chemical Emergency Call CHEMTREC 24hr/day 7days/week **Emergency number** 

Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1.703.527.3887

(collect calls accepted)

| Country        | Organisation/Company                                                         | Address                | Emergency number                     | Comment                           |
|----------------|------------------------------------------------------------------------------|------------------------|--------------------------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service<br>(Birmingham Centre)<br>City Hospital | Dudley Road<br>B18 7QH | 0344 892 0111                        | Only for healthcare professionals |
| United Kingdom | Chemtrec - United Kingdom                                                    | London                 | Local (City) +44 20 3807<br>3798     |                                   |
| United Kingdom | Chemtrec - United Kingdom                                                    |                        | Local (National) +44 870<br>820 0418 |                                   |

# **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment - Acute Hazard, Category 1 H400 Hazardous to the aquatic environment - Chronic Hazard, Category 1 H410

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

### Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP)

**GHS09** 

Signal word (CLP)

Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P391 - Collect spillage.

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

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

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### 2.3. Other hazards

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

| Component                                                      |                                                                                                                                                                              |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2-propanediol (57-55-6)                                      | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| white mineral oil (petroleum) (8042-47-5)                      | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| graphite (7782-42-5)                                           | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| chalk (1317-65-3)                                              | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| talc (14807-96-6)                                              | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| copper (7440-50-8)                                             | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or 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

| 3.2. Mixtures                                                         |                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product identifier                                                    | %                                                                                                                                                                                                                                                                                                                                                             | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                                                                                                                                                               |
| CAS-No.: 7440-50-8<br>EC-No.: 231-159-6<br>EC Index-No.: 029-019-01-X | 9.8                                                                                                                                                                                                                                                                                                                                                           | Acute Tox. 4 (Oral), H302<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10)                                                                                                                                                                                                   |
| CAS-No.: 7782-42-5<br>EC-No.: 231-955-3                               | 9.31 – 9.7608                                                                                                                                                                                                                                                                                                                                                 | Aquatic Chronic 2, H411                                                                                                                                                                                                                                                                       |
| CAS-No.: 8042-47-5<br>EC-No.: 232-455-8                               | 4.707945                                                                                                                                                                                                                                                                                                                                                      | Asp. Tox. 1, H304                                                                                                                                                                                                                                                                             |
| CAS-No.: 14807-96-6<br>EC-No.: 238-877-9                              | ≤ 4                                                                                                                                                                                                                                                                                                                                                           | Not classified                                                                                                                                                                                                                                                                                |
| CAS-No.: 1317-65-3<br>EC-No.: 215-279-6                               | ≥ 3.686                                                                                                                                                                                                                                                                                                                                                       | Not classified                                                                                                                                                                                                                                                                                |
| CAS-No.: 7778-18-9<br>EC-No.: 231-900-3                               | 2                                                                                                                                                                                                                                                                                                                                                             | Acute Tox. 4 (Oral), H302<br>Aquatic Chronic 3, H412                                                                                                                                                                                                                                          |
| CAS-No.: 1317-33-5<br>EC-No.: 215-263-9                               | > 1.98                                                                                                                                                                                                                                                                                                                                                        | Not classified                                                                                                                                                                                                                                                                                |
| CAS-No.: 57-55-6<br>EC-No.: 200-338-0                                 | 1.329372                                                                                                                                                                                                                                                                                                                                                      | Not classified                                                                                                                                                                                                                                                                                |
| CAS-No.: 14808-60-7<br>EC-No.: 238-878-4                              | 0.0392 –<br>0.441                                                                                                                                                                                                                                                                                                                                             | Not classified                                                                                                                                                                                                                                                                                |
|                                                                       | CAS-No.: 7440-50-8 EC-No.: 231-159-6 EC Index-No.: 029-019-01-X  CAS-No.: 7782-42-5 EC-No.: 231-955-3  CAS-No.: 8042-47-5 EC-No.: 232-455-8  CAS-No.: 14807-96-6 EC-No.: 238-877-9  CAS-No.: 1317-65-3 EC-No.: 215-279-6  CAS-No.: 1317-33-5 EC-No.: 231-900-3  CAS-No.: 1317-33-5 EC-No.: 215-263-9  CAS-No.: 57-55-6 EC-No.: 200-338-0  CAS-No.: 14808-60-7 | CAS-No.: 7440-50-8 EC-No.: 231-159-6 EC Index-No.: 029-019-01-X  CAS-No.: 7782-42-5 EC-No.: 231-955-3  CAS-No.: 8042-47-5 EC-No.: 232-455-8  CAS-No.: 14807-96-6 EC-No.: 238-877-9  CAS-No.: 215-279-6  CAS-No.: 215-263-9  CAS-No.: 57-55-6 EC-No.: 200-338-0  CAS-No.: 14808-60-7  0.0392 − |

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

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### **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.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

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

breathing apparatus. Complete protective clothing.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

### 6.1.2. For emergency responders

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

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

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product.

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

### 6.4. Reference to other sections

For further information refer to section 13.

### **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

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

product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### 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

| 1,2-propanediol (57-55-6)                     |                                                                  |
|-----------------------------------------------|------------------------------------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                                                  |
| Local name Propane-1,2-diol                   |                                                                  |
| WEL TWA (OEL TWA) [1]                         | 10 mg/m³ particulates<br>474 mg/m³ total vapour and particulates |
| WEL TWA (OEL TWA) [2]                         | 150 ppm total vapour and particulates                            |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE                            |

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| graphite (7782-42-5)                               |                                                |
|----------------------------------------------------|------------------------------------------------|
| United Kingdom - Occupational Exposure Limits      |                                                |
| WEL TWA (OEL TWA) [1]                              | 10 mg/m³                                       |
|                                                    | 4 mg/m³                                        |
| quartz, 1%≤conc respirable crystalline silica<     | 10% (14808-60-7)                               |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                |
| Local name                                         | Silica crystaline (Quartz)                     |
| IOEL TWA                                           | 0.05 mg/m³ (respirable dust)                   |
| Remark                                             | (Year of adoption 2003)                        |
| Regulatory reference                               | SCOEL Recommendations                          |
| United Kingdom - Occupational Exposure Limits      |                                                |
| Local name                                         | Silica                                         |
| WEL TWA (OEL TWA) [1]                              | 0.1 mg/m³ respirable crystalline               |
| Regulatory reference                               | EH40/2005 (Third edition, 2018). HSE           |
| chalk (1317-65-3)                                  |                                                |
| United Kingdom - Occupational Exposure Limits      |                                                |
| Local name                                         | Calcium carbonate (Limestone, Marble)          |
| WEL TWA (OEL TWA) [1]                              | 10 mg/m³ total inhalable<br>4 mg/m³ respirable |
| Regulatory reference                               | EH40/2005 (Fourth edition, 2020). HSE          |
| molybdenium(IV) sulfide (1317-33-5)                |                                                |
| United Kingdom - Occupational Exposure Limits      |                                                |
| WEL TWA (OEL TWA) [1]                              | 10 mg/m³                                       |
| WEL STEL (OEL STEL)                                | 20 mg/m³                                       |
| talc (14807-96-6)                                  |                                                |
| United Kingdom - Occupational Exposure Limits      |                                                |
| Local name                                         | Talc                                           |
| WEL TWA (OEL TWA) [1]                              | 1 mg/m³ respirable dust                        |
| Regulatory reference                               | EH40/2005 (Fourth edition, 2020). HSE          |
| copper (7440-50-8)                                 |                                                |
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                |
| Local name                                         | Copper<br>Kobber                               |
| IOEL TWA                                           | 0.01 mg/m³ (respirable fraction)               |
| Remark                                             | (Year of adoption 2014)<br>(Adopsjonsår 2014)  |
| Regulatory reference                               | SCOEL Recommendations<br>SCOEL anbefalinger    |
| United Kingdom - Occupational Exposure Limits      |                                                |
| Local name                                         | Copper                                         |
| WEL TWA (OEL TWA) [1]                              | 0.2 mg/m³                                      |
| WEL STEL (OEL STEL)                                | 2 mg/m³                                        |
|                                                    | EH40/2005 (Fourth edition, 2020). HSE          |

# 8.1.2. Recommended monitoring procedures

No additional information available

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#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

# 8.2.2.1. Eye and face protection

### Eye protection:

Wear eye protection

### 8.2.2.2. Skin protection

### Skin and body protection:

Wear suitable protective clothing

### Hand protection:

Neoprene or nitrile rubber gloves

| Hand protection   |                                                 |                  |                 |             |          |
|-------------------|-------------------------------------------------|------------------|-----------------|-------------|----------|
| Туре              | Material                                        | Permeation       | Thickness (mm)  | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR),<br>Neoprene rubber (HNBR) | 2 (> 30 minutes) | 0.3 mm - 0.6 mm |             |          |

### 8.2.2.3. Respiratory protection

### Respiratory protection:

No respiratory protection needed under normal use conditions

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

### **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 : Solid
Colour : Metallic.
Appearance : Paste.

Odour : petroleum-like odour.

Odour threshold : Not available Melting point : Not available Freezing point : Not available Boiling point : Not available Flammability : Not available **Explosive limits** : Not applicable Lower explosion limit : Not applicable Upper explosion limit : Not applicable

Flash point : ≥ 171 °C Cleveland Open Cup Method

Auto-ignition temperature : Not applicable
Decomposition temperature : Not available
pH : Not available

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pH solution : Not available Viscosity, kinematic : Not applicable 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 : Not available Relative vapour density at 20°C : Not applicable Particle size : Not available

### 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

## **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

| 1,2-propanediol (57-55-6)                 |                                                                                                                        |  |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--|
| LD50 oral rat                             | 22000 mg/kg bodyweight Animal: rat                                                                                     |  |
| LD50 dermal rabbit                        | > 2000 mg/kg bodyweight Animal: rabbit                                                                                 |  |
| ATE CLP (oral)                            | 22000 mg/kg bodyweight                                                                                                 |  |
| white mineral oil (petroleum) (8042-47-5) |                                                                                                                        |  |
| LD50 oral rat                             | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Readacross, Oral)                      |  |
| LD50 dermal rabbit                        | > 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal)          |  |
| LC50 Inhalation - Rat                     | > 5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol))               |  |
| graphite (7782-42-5)                      |                                                                                                                        |  |
| LD50 oral rat                             | > 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)         |  |
| LC50 Inhalation - Rat                     | > 2000 mg/m³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust)) |  |
| LC50 Inhalation - Rat (Dust/Mist)         | > 2 mg/l Source: ECHA                                                                                                  |  |
| chalk (1317-65-3)                         |                                                                                                                        |  |
| LD50 oral rat                             | 6450 mg/kg (Rat, Literature study, Oral)                                                                               |  |

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| chalk (1317-65-3)                              |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| LD50 dermal rabbit                             | > 2000 mg/kg                                                                                                                        |
| ATE CLP (oral)                                 | 6450 mg/kg bodyweight                                                                                                               |
| calcium sulfate (7778-18-9)                    |                                                                                                                                     |
| LD50 oral rat                                  | > 1581 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)    |
| LC50 Inhalation - Rat                          | > 3.26 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)                                              |
| ATE CLP (oral)                                 | 500 mg/kg bodyweight                                                                                                                |
| molybdenium(IV) sulfide (1317-33-5)            |                                                                                                                                     |
| LD50 oral rat                                  | > 6000 mg/kg (Rat, Oral)                                                                                                            |
| talc (14807-96-6)                              |                                                                                                                                     |
| LD50 oral rat                                  | > 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))  |
| LD50 dermal rat                                | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))          |
| LC50 Inhalation - Rat                          | > 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))      |
| LC50 Inhalation - Rat (Dust/Mist)              | > 2.1 mg/l Source: ECHA                                                                                                             |
| copper (7440-50-8)                             |                                                                                                                                     |
| LD50 oral rat                                  | 300 – 500 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral) |
| LD50 dermal rat                                | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))          |
| LC50 Inhalation - Rat                          | > 5.11 mg/l (OECD 436: Acute inhalation toxicity-acute toxic class method, 4 h, Rat, Male / female, Experimental value, Inhalation) |
| ATE CLP (oral)                                 | 300 mg/kg bodyweight                                                                                                                |
| Skin corrosion/irritation :                    | Not classified (Based on available data, the classification criteria are not met)                                                   |
| 1,2-propanediol (57-55-6)                      |                                                                                                                                     |
| рН                                             | 6.5 – 7.5 (50 %)                                                                                                                    |
| graphite (7782-42-5)                           |                                                                                                                                     |
| рН                                             | 7 (1.3 %)                                                                                                                           |
| quartz, 1%≤conc respirable crystalline silica< | 10% (14808-60-7)                                                                                                                    |
| рН                                             | 5 – 8 (40 %, 20 °C)                                                                                                                 |
| chalk (1317-65-3)                              |                                                                                                                                     |
| рН                                             | 8.5 – 9                                                                                                                             |
| calcium sulfate (7778-18-9)                    |                                                                                                                                     |
| рН                                             | 6 – 7.6 (20 %)                                                                                                                      |
| molybdenium(IV) sulfide (1317-33-5)            |                                                                                                                                     |
| рН                                             | 5 – 8 (10 %)                                                                                                                        |
| talc (14807-96-6)                              |                                                                                                                                     |
| рН                                             | 9                                                                                                                                   |
| copper (7440-50-8)                             |                                                                                                                                     |
| рН                                             | No data available in the literature                                                                                                 |
| Serious eye damage/irritation :                | Not classified (Based on available data, the classification criteria are not met)                                                   |

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| 1,2-propanediol (57-55-6)                        |                                                                                                                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| рН                                               | 6.5 – 7.5 (50 %)                                                                                                                                                                        |
| graphite (7782-42-5)                             |                                                                                                                                                                                         |
| рН                                               | 7 (1.3 %)                                                                                                                                                                               |
| quartz, 1%≤conc respirable crystalline silica<   | 10% (14808-60-7)                                                                                                                                                                        |
| рН                                               | 5 – 8 (40 %, 20 °C)                                                                                                                                                                     |
| chalk (1317-65-3)                                |                                                                                                                                                                                         |
| рН                                               | 8.5 – 9                                                                                                                                                                                 |
| calcium sulfate (7778-18-9)                      |                                                                                                                                                                                         |
| рН                                               | 6 – 7.6 (20 %)                                                                                                                                                                          |
| molybdenium(IV) sulfide (1317-33-5)              |                                                                                                                                                                                         |
| рН                                               | 5 – 8 (10 %)                                                                                                                                                                            |
| talc (14807-96-6)                                |                                                                                                                                                                                         |
| pH                                               | 9                                                                                                                                                                                       |
| copper (7440-50-8)                               |                                                                                                                                                                                         |
| pH                                               | No data available in the literature                                                                                                                                                     |
| •                                                | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
| • ,                                              | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
|                                                  | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
| quartz, 1%≤conc respirable crystalline silica<   |                                                                                                                                                                                         |
| IARC group                                       | 1 - Carcinogenic to humans                                                                                                                                                              |
| talc (14807-96-6)                                |                                                                                                                                                                                         |
| IARC group                                       | 3 - Not classifiable                                                                                                                                                                    |
| calcium sulfate (7778-18-9)                      |                                                                                                                                                                                         |
| NOAEL (chronic, oral, animal/male, 2 years)      | 256 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other:No data, Remarks on results: other:Effect type: carcinogenicity (migrated information)                             |
| NOAEL (chronic, oral, animal/female, 2 years)    | 284 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: other:No data, Remarks on results: other:Effect type: carcinogenicity (migrated information)                           |
| •                                                | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
|                                                  | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
| ,                                                | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
| 1,2-propanediol (57-55-6)                        | 440 mallim had surjedy Astrophysical Astrophysical                                                                                                                                      |
| NOAEL (subchronic, oral, animal/male, 90 days)   | 443 mg/kg bodyweight Animal: cat, Animal sex: male                                                                                                                                      |
| graphite (7782-42-5)                             | 0.000070 ww/l air Aring Last Orithian OFOD Orithian 440 (Orthologic Inhelation                                                                                                          |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | 0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)                                                                             |
| calcium sulfate (7778-18-9)                      |                                                                                                                                                                                         |
| LOAEL (oral, rat, 90 days)                       | 237 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| NOAEL (oral, rat, 90 days)                       | 79 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)  |
| Aspiration hazard :                              | Not classified (Based on available data, the classification criteria are not met)                                                                                                       |
| 1,2-propanediol (57-55-6)                        |                                                                                                                                                                                         |
| Viscosity, kinematic                             | 41.84 mm²/s                                                                                                                                                                             |

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| white mineral oil (petroleum) (8042-47-5) |                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Viscosity, kinematic                      | > 3 mm²/s (40 °C, ISO 3104: Determination of kinematic viscosity and calculation of dynamic viscosity) |
| chalk (1317-65-3)                         |                                                                                                        |
| Viscosity, kinematic                      | Not applicable                                                                                         |
| copper (7440-50-8)                        |                                                                                                        |
| Viscosity, kinematic                      | Not applicable (solid)                                                                                 |

### 11.2. Information on other hazards

No additional information available

# **SECTION 12: Ecological information**

12.1. Toxicity

Ecology - general : Dangerous for the environment. Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

: Very toxic to aquatic life with long lasting effects.

Not rapidly degradable

| Not rapidly degradable                    |                                                                                                                                                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1,2-propanediol (57-55-6)                 |                                                                                                                                                 |
| LC50 - Fish [1]                           | 51400 mg/l Test organisms (species): Pimephales promelas                                                                                        |
| LC50 - Fish [2]                           | 51600 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                       |
| EC50 72h - Algae [1]                      | 19300 mg/l Test organisms (species): Skeletonema costatum                                                                                       |
| EC50 72h - Algae [2]                      | 24200 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)      |
| EC50 96h - Algae [1]                      | 19100 mg/l Test organisms (species): Skeletonema costatum                                                                                       |
| EC50 96h - Algae [2]                      | 19000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)      |
| ErC50 algae                               | 24200 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| white mineral oil (petroleum) (8042-47-5) |                                                                                                                                                 |
| LC50 - Fish [1]                           | > 100 mg/l                                                                                                                                      |
| graphite (7782-42-5)                      |                                                                                                                                                 |
| LC50 - Fish [1]                           | > 100 mg/l                                                                                                                                      |
| EC50 - Crustacea [1]                      | > 100 mg/l                                                                                                                                      |
| EC50 72h - Algae [1]                      | 19 mg/l                                                                                                                                         |
| EC50 72h - Algae [2]                      | 7.2 mg/l                                                                                                                                        |
| ErC50 algae                               | > 100 mg/l                                                                                                                                      |
| NOEC (chronic)                            | 47 mg/l                                                                                                                                         |
| chalk (1317-65-3)                         |                                                                                                                                                 |
| LC50 - Fish [1]                           | > 10000 mg/l (96 h, Oncorhynchus mykiss, Literature)                                                                                            |
| EC50 - Crustacea [1]                      | > 1000 mg/l (48 h, Daphnia magna, Literature)                                                                                                   |
| EC50 72h - Algae [1]                      | > 200 mg/l (Desmodesmus subspicatus, Literature)                                                                                                |
| calcium sulfate (7778-18-9)               |                                                                                                                                                 |
| LC50 - Fish [1]                           | > 79 mg/l Test organisms (species): Oryzias latipes                                                                                             |
| EC50 72h - Algae [1]                      | > 79 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)       |
| EC50 96h - Algae [1]                      | 3200 mg/l Source: ECOTOX                                                                                                                        |
|                                           |                                                                                                                                                 |

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| talc (14807-96-6)                               |                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                 | 89581 mg/l (ECOSAR v1.00, 96 h, Pisces, Fresh water, QSAR)                                                                                         |
| EC50 96h - Algae [1]                            | 7203 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR)                                                                                                 |
| copper (7440-50-8)                              |                                                                                                                                                    |
| LC50 - Fish [1]                                 | 1.25 mg/l (APHA, 96 h, Cyprinus carpio, Fresh water, Experimental value)                                                                           |
| EC50 - Crustacea [1]                            | 0.03 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| 12.2. Persistence and degradability             |                                                                                                                                                    |
| 1,2-propanediol (57-55-6)                       |                                                                                                                                                    |
| Persistence and degradability                   | Biodegradable in the soil. Readily biodegradable in water.                                                                                         |
| Biochemical oxygen demand (BOD)                 | 0.96 – 1.08 g O <sub>2</sub> /g substance                                                                                                          |
| Chemical oxygen demand (COD)                    | 1.63 g O <sub>2</sub> /g substance                                                                                                                 |
| ThOD                                            | 1.69 g O <sub>2</sub> /g substance                                                                                                                 |
| white mineral oil (petroleum) (8042-47-5)       |                                                                                                                                                    |
| Persistence and degradability                   | Not rapidly degradable.                                                                                                                            |
| quartz, 1%≤conc respirable crystalline silic    | ca<10% (14808-60-7)                                                                                                                                |
| Persistence and degradability                   | Not applicable.                                                                                                                                    |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| chalk (1317-65-3)                               |                                                                                                                                                    |
| Persistence and degradability                   | Biodegradability: not applicable.                                                                                                                  |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| calcium sulfate (7778-18-9)                     |                                                                                                                                                    |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| BOD (% of ThOD)                                 | Not applicable                                                                                                                                     |
| molybdenium(IV) sulfide (1317-33-5)             |                                                                                                                                                    |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| BOD (% of ThOD)                                 | Not applicable                                                                                                                                     |
| talc (14807-96-6)                               |                                                                                                                                                    |
| Persistence and degradability                   | Biodegradability in soil: not applicable.                                                                                                          |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| BOD (% of ThOD)                                 | Not applicable                                                                                                                                     |
| copper (7440-50-8)                              |                                                                                                                                                    |
| Chemical oxygen demand (COD)                    | Not applicable                                                                                                                                     |
| ThOD                                            | Not applicable                                                                                                                                     |
| 12.3. Bioaccumulative potential                 |                                                                                                                                                    |
| 1,2-propanediol (57-55-6)                       |                                                                                                                                                    |
| BCF - Other aquatic organisms [1]               | 0.09                                                                                                                                               |
| Partition coefficient n-octanol/water (Log Pow) | -1.07 (Experimental value, EU Method A.8: Partition Coefficient, 20.5 °C)                                                                          |
| Bioaccumulative potential                       | Not bioaccumulative.                                                                                                                               |

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| white mineral oil (petroleum) (8042-47-5)                                 |                                                                                                                                                                              |  |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Partition coefficient n-octanol/water (Log Pow)                           | > 6 (calculated value)                                                                                                                                                       |  |
| quartz, 1%≤conc respirable crystalline silica<                            | ,                                                                                                                                                                            |  |
| Bioaccumulative potential                                                 | Bioaccumulation unlikely.                                                                                                                                                    |  |
| <u> </u>                                                                  | Disassantalation animoly.                                                                                                                                                    |  |
| Calcium sulfate (7778-18-9) Bioaccumulative potential                     | No bioaccumulation data available.                                                                                                                                           |  |
| ·                                                                         | NO DIOACCUITUIAIIOTI GAIA AVAIIADIE.                                                                                                                                         |  |
| talc (14807-96-6)                                                         | 2.462 l/kg (DCFDAF v2.04 Freeh wester OSAD)                                                                                                                                  |  |
| BCF - Other aquatic organisms [1]                                         | 3.162 l/kg (BCFBAF v3.01, Fresh water, QSAR)                                                                                                                                 |  |
| Partition coefficient n-octanol/water (Log Pow) Bioaccumulative potential | -9.4 (QSAR, KOWWIN, 25 °C)  Low potential for bioaccumulation (BCF < 500).                                                                                                   |  |
|                                                                           | Low potential for bloaccumulation (BCF < 300).                                                                                                                               |  |
| copper (7440-50-8)                                                        | Nat kina ayunu dati ua                                                                                                                                                       |  |
| Bioaccumulative potential  12.4. Mobility in soil                         | Not bioaccumulative.                                                                                                                                                         |  |
| 1,2-propanediol (57-55-6)                                                 |                                                                                                                                                                              |  |
| Surface tension                                                           | 71.6 mN/m (21.5 °C, 1.01 g/l, EU Method A.5: Surface tension)                                                                                                                |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                | 0.46 (log Koc, Calculated value)                                                                                                                                             |  |
| Ecology - soil                                                            | Highly mobile in soil.                                                                                                                                                       |  |
| white mineral oil (petroleum) (8042-47-5)                                 |                                                                                                                                                                              |  |
| Ecology - soil                                                            | Product adsorbs onto the soil.                                                                                                                                               |  |
| quartz, 1%≤conc respirable crystalline silica<                            | 10% (14808-60-7)                                                                                                                                                             |  |
| Ecology - soil                                                            | Low potential for mobility in soil.                                                                                                                                          |  |
| chalk (1317-65-3)                                                         |                                                                                                                                                                              |  |
| Ecology - soil                                                            | No (test) data on mobility of the substance available.                                                                                                                       |  |
| molybdenium(IV) sulfide (1317-33-5)                                       |                                                                                                                                                                              |  |
| Ecology - soil                                                            | Adsorbs into the soil.                                                                                                                                                       |  |
| talc (14807-96-6)                                                         |                                                                                                                                                                              |  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                | 1.5 (log Koc, SRC PCKOCWIN v2.0, QSAR)                                                                                                                                       |  |
| copper (7440-50-8)                                                        |                                                                                                                                                                              |  |
| Ecology - soil                                                            | No (test) data on mobility of the substance available.                                                                                                                       |  |
| 12.5. Results of PBT and vPvB assessment                                  |                                                                                                                                                                              |  |
| Component                                                                 |                                                                                                                                                                              |  |
| 1,2-propanediol (57-55-6)                                                 | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| white mineral oil (petroleum) (8042-47-5)                                 | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| graphite (7782-42-5)                                                      | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)            | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| chalk (1317-65-3)                                                         | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| talc (14807-96-6)                                                         | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |
| copper (7440-50-8)                                                        | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |  |

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### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

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

# **SECTION 14: Transport information**

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

| in accordance with ADR / livil                                                             | JG / IATA / ADIN / KID                                                                                  |                                                                                                 |                                                                                       |                                                                                       |  |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| ADR                                                                                        | IMDG                                                                                                    | IATA                                                                                            | ADN                                                                                   | RID                                                                                   |  |
| 14.1. UN number or ID number                                                               |                                                                                                         |                                                                                                 |                                                                                       |                                                                                       |  |
| UN 3077                                                                                    | UN 3077                                                                                                 | UN 3077                                                                                         | UN 3077                                                                               | UN 3077                                                                               |  |
| 14.2. UN proper shippin                                                                    | g name                                                                                                  |                                                                                                 |                                                                                       |                                                                                       |  |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)                      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)                                   | Environmentally hazardous substance, solid, n.o.s. (CONTAINS : copper)                          | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)                 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)                 |  |
| Transport document descr                                                                   | ription                                                                                                 |                                                                                                 |                                                                                       |                                                                                       |  |
| UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III, (-) | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III, MARINE POLLUTANT | UN 3077 Environmentally<br>hazardous substance, solid,<br>n.o.s. (CONTAINS :<br>copper), 9, III | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III | UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III |  |
| 14.3. Transport hazard                                                                     | class(es)                                                                                               |                                                                                                 |                                                                                       |                                                                                       |  |
| 9                                                                                          | 9                                                                                                       | 9                                                                                               | 9                                                                                     | 9                                                                                     |  |
|                                                                                            |                                                                                                         |                                                                                                 |                                                                                       |                                                                                       |  |
| 14.4. Packing group                                                                        |                                                                                                         |                                                                                                 |                                                                                       |                                                                                       |  |
| III                                                                                        | III                                                                                                     | III                                                                                             | III                                                                                   | III                                                                                   |  |
| 14.5. Environmental hazards                                                                |                                                                                                         |                                                                                                 |                                                                                       |                                                                                       |  |
| Dangerous for the environment: Yes                                                         | Dangerous for the<br>environment: Yes<br>Marine pollutant: Yes                                          | Dangerous for the environment: Yes                                                              | Dangerous for the environment: Yes                                                    | Dangerous for the environment: Yes                                                    |  |

# No supplementary information available

# 14.6. Special precautions for user

# Overland transport

Classification code (ADR) : M7

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P002, IBC08, LP02, R001

Special packing provisions (ADR) : PP12, B3
Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions : T1, BK1, BK2, BK3

(ADR)

Portable tank and bulk container special provisions : TP33

(ADR)

Tank code (ADR) : SGAV, LGBV

Vehicle for tank carriage : AT

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Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V13

Special provisions for carriage - Bulk (ADR) : VC1, VC2

Special provisions for carriage - Loading, : CV13

unloading and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3077

Tunnel restriction code (ADR) : EAC code : 2Z

Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969

Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : BK1, BK2, BK3, T1

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

Stowage and handling (IMDG) : SW23

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg

Special provisions (IATA) : A97, A158, A179, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M7

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 kg

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T\* B\*\*

Equipment required (ADN) : PP, A\*\*\*

Number of blue cones/lights (ADN) : 0

Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\* \* Only in the case of

transport in bulk.

Rail transport

Classification code (RID) : M7

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5kg
Excepted quantities (RID) : E1

Packing instructions (RID) : P002, IBC08, LP02, R001

Special packing provisions (RID) : PP12, B3

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Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3

Portable tank and bulk container special provisions : TP33

(RID)

Tank codes for RID tanks (RID) : SGAV, LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W13

Special provisions for carriage – Bulk (RID) : VC1, VC2

Special provisions for carriage - Loading, : CW13, CW31

unloading and handling (RID)

Colis express (express parcels) (RID) : CE11
Hazard identification number (RID) : 90

### 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

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. Chemical safety assessment

No 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                                                                       |  |  |  |

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| Abbreviations and acronyms: |                                                                              |  |
|-----------------------------|------------------------------------------------------------------------------|--|
| EC50                        | Median effective concentration                                               |  |
| EN                          | European Standard                                                            |  |
| IARC                        | International Agency for Research on Cancer                                  |  |
| IATA                        | International Air Transport Association                                      |  |
| IMDG                        | International Maritime Dangerous Goods                                       |  |
| LC50                        | Median lethal concentration                                                  |  |
| LD50                        | Median lethal dose                                                           |  |
| LOAEL                       | Lowest Observed Adverse Effect Level                                         |  |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |  |
| NOAEL                       | No-Observed Adverse Effect Level                                             |  |
| NOEC                        | No-Observed Effect Concentration                                             |  |
| OECD                        | Organisation for Economic Co-operation and Development                       |  |
| OEL                         | Occupational Exposure Limit                                                  |  |
| PBT                         | Persistent Bioaccumulative Toxic                                             |  |
| PNEC                        | Predicted No-Effect Concentration                                            |  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |  |
| SDS                         | Safety Data Sheet                                                            |  |
| STP                         | Sewage treatment plant                                                       |  |
| 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. 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 |  |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |  |
| H302                                | Harmful if swallowed.                                             |  |
| H304                                | May be fatal if swallowed and enters airways.                     |  |
| 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.                |  |

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.