

**Safety Data Sheet**

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

Issue date: 17/02/2012. Revision date: 26/09/2022. Supersedes version of: 15/04/2022. Version: 9.3

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

|               |                    |
|---------------|--------------------|
| Product form  | Mixture            |
| Product name  | RIDEX PLUS ATF 8HP |
| Product code  | P41161-RID001      |
| Product group | Blend              |

**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, consumer use |
| Industrial/professional use specifications | Non-dispersive use<br>Used in closed systems   |
| Function or use category                   | Lubricants and additives                       |

**1.2.2. Uses advised against**

No additional information available.

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

|            |   |                               |                   |
|------------|---|-------------------------------|-------------------|
| RIDEX GmbH | Josef-Orlopp-Straße 55<br>10365 Berlin, Germany | www.ridex.eu<br>info@ridex.de | +49 302 202 72 34 |
|------------|---|-------------------------------|-------------------|

**1.4. Emergency telephone number****Emergency number :** +32 70 245 245

Belgian Anti-Poison Centre, Bruynstraat 1, 1120 Brussels

**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 – Chronic Hazard, Category 3, H412

Full text of H- and EUH-statements: see Section 16.

**Adverse physicochemical, human health, and environmental effects**

No additional information available.

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## 2.2. Label elements

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

|                                |  |
|--------------------------------|--|
| Signal word (CLP)              | –  |
| Hazard statements (CLP)        | H412 - Harmful to aquatic life with long-lasting effects.  |
| Precautionary statements (CLP) | P273 - Avoid release to the environment.<br>P501 - Dispose of contents and container to hazardous or special waste collection point in accordance with local, regional, national, and/or international regulations.<br>P102 - Keep out of reach of children. |
| EUH-statements                 | EUH208 - Contains N,N-dicocoalkyl 3-amino-propane-1,2-diol, 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.  |

## 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 made 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

|          |  |
|----------|--|
| Comments | The mineral oils in the product contain < 3% DMSO extract (IP 346) |
|----------|--|

| Name  | Product identifier   | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|----------|---|
| Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich | CAS-No.: 398141-87-2<br>EC-No.: 800-172-4<br>REACH-No.: 01-2119969520-35 | 1–1.49   | Aquatic Chronic 2, H411   |
| Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs                                | EC-No.: 471-920-1<br>REACH-No.: 01-0000019770-68                         | 0.1–0.99 | Skin Sens. 1B, H317   |
| N,N-dicocoalkyl 3-amino-propane-1,2-diol                                      | EC-No.: 482-000-4<br>REACH-No.: 01-0000020142-86                         | 0.1–0.99 | Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                   |

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| Name  | Product identifier  | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|------------|---|
| 1-(tert-dodecylthio)propan-2-ol                                     | CAS-No.: 67124-09-8<br>EC-No.: 266-582-5<br>REACH-No.: 01-2119953277-30   | 0.1-0.75   | Skin Sens. 1B, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410   |
| Benzene, polypropene derivatives, sulfonated, calcium salts         | EC-No.: POLYMER<br>REACH-No.: 01-2120040541-70                            | 0.1-0.24   | Skin Sens. 1B, H317   |
| 2-tetradecyloxirane, reaction products with boric acid              | EC-No.: 701-392-2<br>REACH-No.: 01-2119976364-28                          | 0.1-0.24   | Skin Sens. 1B, H317   |
| Methyl-1H-benzotriazole   | CAS-No.: 29385-43-1<br>EC-No.: 249-596-6<br>REACH-No.: 01-2119979081-35   | 0.1-0.24   | Acute Tox. 4 (Oral), H302<br>(ATE=500 mg/kg body weight)<br>Repr. 2, H361<br>Aquatic Chronic 2, H411  |
| 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol | CAS-No.: 1218787-32-6<br>EC-No.: 620-540-6<br>REACH-No.: 01-2119510877-33 | 0.01-0.035 | Acute Tox. 4 (Oral), H302<br>(ATE=500 mg/kg body weight)<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410                    |
| 2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol                      | CAS-No.: 95-38-5<br>EC-No.: 202-414-9<br>REACH-No.: 01-2119777867-13      | 0.01-0.024 | Acute Tox. 4 (Oral), H302<br>(ATE=500 mg/kg body weight)<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 |

**Specific concentration limits:**

| Name  | Product identifier  | Specific concentration limits        |
|---|---|--------------------------------------|
| Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs              | EC-No.: 471-920-1<br>REACH-No.: 01-0000019770-68                        | (9.4 ≤ C < 100) Skin Sens. 1B, H317  |
| 1-(tert-dodecylthio)propan-2-ol                             | CAS-No.: 67124-09-8<br>EC-No.: 266-582-5<br>REACH-No.: 01-2119953277-30 | (14.2 ≤ C < 100) Skin Sens. 1B, H317 |
| Benzene, polypropene derivatives, sulfonated, calcium salts | EC-No.: POLYMER<br>REACH-No.: 01-2120040541-70                          | (10 ≤ C < 100) Skin Sens. 1B, H317   |

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 | Not expected to require first-aid measures. |
|-------------------------------------|---|

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|                                       |   |
|---------------------------------------|---|
| First-aid measures after skin contact | Wash skin with mild soap and water.   |
| First-aid measures after eye contact  | In case of eye contact, immediately rinse with clean water for 10-15 minutes. |
| First-aid measures after ingestion    | Do not induce vomiting. Rinse mouth. Seek immediate medical advice/attention. |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  |
| Symptoms/effects after skin contact | Not expected to present a significant skin hazard under anticipated conditions of normal use.        |
| Symptoms/effects after eye contact  | Not expected to present a significant eye contact hazard under anticipated conditions of normal use. |
| Symptoms/effects after ingestion    | Not expected to present a significant ingestion hazard under anticipated conditions of normal use.   |

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

No additional information available.

# SECTION 5: Firefighting measures

## 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Water fog, foam, powder, dry chemical product. |
| Unsuitable extinguishing media | Do not use a heavy water stream.               |

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

No additional information available.

## 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Precautionary fire measures    | Exercise caution when fighting any chemical fire.   |
| Firefighting instructions      | Use water spray or fog for cooling exposed containers.  |
| Protection during firefighting | Do not enter fire area without proper protective equipment, including respiratory protection. |

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment, and emergency procedures****6.1.1. For non-emergency personnel**

|                      |   |
|----------------------|---|
| Protective equipment | Wear suitable protective clothing and gloves. |
|----------------------|---|

**6.1.2. For emergency responders**

|                      |   |
|----------------------|---|
| Protective equipment | Wear suitable protective clothing and gloves. |
|----------------------|---|

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | Contain and recover large spill by mixing it with inert granular solids.              |
| Methods for cleaning up | Detergent. Take up liquid spill into absorbent material (sand, saw dust, kieselguhr). |
| Other information       | Spill area may be slippery. Use suitable disposal containers.                         |

**6.4. Reference to other sections**

No additional information available.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.                  |
| Handling temperature          | < 40°C   |
| Hygiene measures              | Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. |

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

|                     |   |
|---------------------|---|
| Storage temperature | ≤ 40°C                                      |
| Storage area        | Store in a dry, cool, well-ventilated area. |

## 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

No additional information available.

### 8.1.2. Recommended monitoring procedures

No additional information available.

### 8.1.3. Air contaminants formed

No additional information available.

### 8.1.4. DNEL and PNEC

|                        |  |
|------------------------|--|
| Additional information | 5 mg/m <sup>3</sup> for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition). |
|------------------------|--|

### 8.1.5. Control banding

No additional information available.

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available.

### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Safety glasses and gloves.

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

No additional information available.

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**8.2.2.2. Skin protection**
**Skin and body protection:**

No special clothing/skin protection equipment is recommended under normal conditions of use.

| Hand protection |                      |   |                |             |          |
|-----------------|----------------------|---|----------------|-------------|----------|
| Type            | Material             | Permeation                              | Thickness (mm) | Penetration | Standard |
| Reusable gloves | Nitrile rubber (NBR) | minimum (> 480 min, long-term exposure) | > 0.35         |             |          |

**8.2.2.3. Respiratory protection**
**Respiratory protection:**

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

**8.2.2.4. Thermal hazards**

No additional information available.

**8.2.3. Environmental exposure controls**

No additional information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                     |
|---------------------------|---------------------|
| Physical state            | Liquid              |
| Colour                    | Yellow-brown        |
| Appearance                | Oily liquid         |
| Odour                     | Characteristic      |
| Odour threshold           | Not available       |
| Melting point             | Not available       |
| Freezing point            | Not available       |
| Boiling point             | Not available       |
| Flammability              | Not available       |
| Explosive limits          | Not available       |
| Lower explosion limit     | Not available       |
| Upper explosion limit     | Not available       |
| Flash point               | > 150°C at ASTM D92 |
| Auto-ignition temperature | Not available       |
| Decomposition temperature | Not available       |

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|  |  |
|--|--|
| pH   | Not available  |
| Viscosity, kinematic   | 31 mm <sup>2</sup> /s at 40°C                              |
| Solubility   | Slightly soluble, the product remains on the water surface |
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | Not available  |
| Vapour pressure  | Not available  |
| Vapour pressure at 50°C                                      | Not available  |
| Density  | 851 kg/m <sup>3</sup> at 15°C                              |
| Relative density   | Not available  |
| 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.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal conditions.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong oxidisers, acids, bases.



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**10.6. Hazardous decomposition products**

None under normal conditions.

**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 |
| Skin corrosion/irritation         | Not classified |
| Serious eye damage/irritation     | Not classified |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity            | Not classified |
| Carcinogenicity                   | Not classified |
| Reproductive toxicity             | Not classified |
| STOT-single exposure              | Not classified |
| STOT-repeated exposure            | Not classified |

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)**

|                        |  |
|------------------------|--|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
|------------------------|--|

|                   |                |
|-------------------|----------------|
| Aspiration hazard | Not classified |
|-------------------|----------------|

**RIDEX PLUS ATF 8HP**

|                      |                               |
|----------------------|-------------------------------|
| Viscosity, kinematic | 31 mm <sup>2</sup> /s at 40°C |
|----------------------|-------------------------------|

**11.2. Information on other hazards**

No additional information available.

**SECTION 12: Ecological information**

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**12.1. Toxicity**

|   |  |
|---|--|
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | Harmful to aquatic life with long-lasting effects. |

**Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)**

|                                   |   |
|-----------------------------------|---|
| LC <sub>50</sub> - fish [1]       | 2.4 mg/l Oncorhynchus mykiss                |
| LC <sub>50</sub> - fish [2]       | 3.3 mg/l Cyprinodon variegatus              |
| EC <sub>50</sub> - crustacea [1]  | 4.6 mg/l Daphnia magna                      |
| EC <sub>50</sub> 72 h - algae [1] | 63 mg/l Selenastrum capricornutum           |
| Chronic NOEC                      | 1 mg/l at 4 DY (Oncorhynchus mykiss)        |
| Chronic NOEC (crustacea)          | 0.63 mg/l 2 DY (Daphnia magna)              |
| Chronic NOEC (algae)              | 0.313 mg/l 3 DY (Selenastrum capricornutum) |

**Acetamide, 2-hydroxy-, N, N-dicocoalkyl derivs**

|                                  |                                   |
|----------------------------------|-----------------------------------|
| EC <sub>50</sub> - crustacea [1] | 180 mg/l Daphnia magna            |
| Chronic NOEC (crustacea)         | 100 mg/l at 21 DY (Daphnia magna) |

**2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)**

|                                   |   |
|-----------------------------------|---|
| LC <sub>50</sub> - fish [1]       | 0.1 mg/l Brachydanio rerio                            |
| EC <sub>50</sub> - crustacea [1]  | 0.043 mg/l Daphnia magna                              |
| EC <sub>50</sub> 72 h - algae [1] | 0.0053 mg/l Pseudokirchneriella subcapitata           |
| Chronic NOEC (algae)              | 0.0156 mg/l at 3 DY (Pseudokirchneriella subcapitata) |

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)**

|                                   |                            |
|-----------------------------------|----------------------------|
| LC <sub>50</sub> - fish [1]       | 0.3 mg/l Brachydanio rerio |
| EC <sub>50</sub> - crustacea [1]  | 0.163 mg/l Daphnia magna   |
| EC <sub>50</sub> - crustacea [2]  | 0.34 mg/l                  |
| EC <sub>50</sub> 72 h - algae [1] | 0.03 mg/l                  |
| Chronic NOEC (algae)              | 0.011 mg/l                 |

**1-(tert-dodecylthio)propan-2-ol (67124-09-8)**

|                                  |                                 |
|----------------------------------|---------------------------------|
| LC <sub>50</sub> - fish [1]      | > 0.75 mg/l Oncorhynchus mykiss |
| EC <sub>50</sub> - crustacea [1] | 0.58 mg/l Daphnia magna         |

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| <b>1-(tert-dodecylthio)propan-2-ol (67124-09-8)</b> |   |
|---|---|
| EC <sub>50</sub> 72 h - algae [1]                   | > 100 mg/l Selenastrum capricomutum         |
| Chronic NOEC (fish)                                 | 0.56 mg/l                                   |
| Chronic NOEC (crustacea)                            | 0.32 mg/l at 2 DY (Daphnia magna)           |
| Chronic NOEC (algae)                                | 100 mg/l at 4 DY (Selenastrum capricomutum) |

| <b>2-tetradecyloxirane, reaction products with boric acid</b> |                                     |
|---|-------------------------------------|
| LC <sub>50</sub> - fish [1]                                   | > 100 mg/l Oncorhynchus mykiss      |
| EC <sub>50</sub> - crustacea [1]                              | > 100 mg/l Daphnia magna            |
| EC <sub>50</sub> 72 h - algae [1]                             | > 100 mg/l Selenastrum capricomutum |
| Chronic NOEC (crustacea)                                      | 10 mg/l Daphnia magna               |

| <b>Methyl-1H-benzotriazole (29385-43-1)</b> |                                    |
|---|------------------------------------|
| LC <sub>50</sub> - fish [1]                 | 25.5 mg/l (Pimephales promelas)    |
| LC <sub>50</sub> - fish [2]                 | 65 mg/l (Brachydanio rerio)        |
| EC <sub>50</sub> - crustacea [1]            | 87.4 mg/l (Daphnia magna)          |
| EC <sub>50</sub> - crustacea [2]            | 8.58 mg/l (Daphnia magna)          |
| EC <sub>50</sub> 72 h - algae [1]           | 62 mg/l (Selenastrum capricomutum) |
| Chronic NOEC (crustacea)                    | 18.4 mg/l at 21 DY (Daphnia magna) |

## 12.2. Persistence and degradability

| <b>RIDEX PLUS ATF 8HP</b>     |  |
|-------------------------------|--|
| Persistence and degradability | Not soluble in water, so only minimally biodegradable. |

| <b>Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)</b> |                               |
|--|-------------------------------|
| Persistence and degradability  | Not readily biodegradable.    |
| BOD (% of ThOD)  | 9.6% ThOD 28 DY OECD TG 301 F |

| <b>2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)</b> |          |
|---|----------|
| BOD (% of ThOD)   | 63% ThOD |

| <b>1-(tert-dodecylthio)propan-2-ol (67124-09-8)</b> |                                  |
|---|----------------------------------|
| BOD (% of ThOD)                                     | 5.9% ThOD at 28 DY OECD TG 301 F |

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**2-tetradecyloxirane, reaction products with boric acid**

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 26.7%                      |
| Biodegradation                | % (days)                   |

**12.3. Bioaccumulative potential****Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)**

|  |                             |
|--|-----------------------------|
| Bioconcentration factor (BCF REACH)                          | 27.54                       |
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | 4.1                         |
| Bioaccumulative potential                                    | Potential to bioaccumulate. |

**2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)**

|  |             |
|--|-------------|
| BCF - fish [1]   | 110.2 mg/kg |
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | 3.6         |

**2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol (95-38-5)**

|  |     |
|--|-----|
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | > 7 |
|--|-----|

**1-(tert-dodecylthio)propan-2-ol (67124-09-8)**

|  |     |
|--|-----|
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | 5.7 |
|--|-----|

**2-tetradecyloxirane, reaction products with boric acid**

|  |     |
|--|-----|
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | 9.4 |
|--|-----|

**Methyl-1H-benzotriazole (29385-43-1)**

|  |      |
|--|------|
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | 1.71 |
|--|------|

**12.4. Mobility in soil****Thiophene, tetrahydro-, 1, 1-dioxide, 3-(C9-11-isoalkyloxy) derivs., C10-rich (398141-87-2)**

|                |                        |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

**12.5. Results of PBT and vPvB assessment**

No additional information available.

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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

|                        |   |
|------------------------|---|
| Additional information | Dispose in a safe manner in accordance with local/national regulations. |
|------------------------|---|

# SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|---|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |

## 14.5. Environmental hazards

|                               |  |
|-------------------------------|--|
| Dangerous for the environment | No                                     |
| Marine pollutant              | No                                     |
| Other information             | No supplementary information available |

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## 14.6. Special precautions for user

| Overland transport | Transport by sea  | Air transport     | Inland waterway transport | Rail transport    |
|--------------------|-------------------|-------------------|---------------------------|-------------------|
| No data available  | No data available | No data available | No data available         | No data available |

## 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 REACH substances with Annex XVII restrictions.

**REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances.

**REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list.

**PIC Regulation (Prior Informed Consent)**

Contains no substance subject to Regulation (EU) No. 649/2012 of the European Parliament and Council of 4 July 2012, concerning the export and import of hazardous chemicals.

**POP Regulation (Persistent Organic Pollutants)**

Contains no substance subject to Regulation (EU) No. 2019/1021 of the European Parliament and Council of 20 June 2019 on persistent organic pollutants.

**Ozone Regulation (1005/2009)**

Contains no substance subject to Regulation (EU) No. 1005/2009 of the European Parliament and Council of 16 September 2009 on substances that deplete the ozone layer.

**Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and Council of 20 June 2019 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 drug precursors).

### 15.1.2. National regulations

| Germany                                    |  |
|--|--|
| Water hazard class (WGK)                   | WGK 2, Significantly hazardous to water (classification according to AwSV, Annex 1). |
| Hazardous Incident Ordinance (12. BImSchV) | Is not a subject of the Hazardous Incident Ordinance (12. BImSchV).                  |

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|  |   |
|--|---|
| <b>Netherlands</b>                                   |   |
| SZW-lijst van kankerverwekkende stoffen              | 1-(tert-dodecylthio)propan-2-ol is listed   |
| SZW-lijst van mutagene stoffen                       | 1-(tert-dodecylthio)propan-2-ol is listed   |
| SZW-lijst van reprotoxische stoffen – Borstvoeding   | None of the components are listed   |
| SZW-lijst van reprotoxische stoffen – Vruchtbaarheid | None of the components are listed   |
| SZW-lijst van reprotoxische stoffen – Ontwikkeling   | None of the components are listed   |
| <b>Denmark</b>                                       |   |
| Danish National Regulations                          | Pregnant/breastfeeding women working with the product must not be in direct contact with the product. |
| <b>Switzerland</b>                                   |   |
| Storage class (LK)                                   | LK 10/12 - Liquids  |

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier.

## SECTION 16: Other information

| Indication of changes |  |          |          |
|-----------------------|--|----------|----------|
| Section               | Changed item                           | Change   | Comments |
|                       | Supersedes                             | Modified |          |
|                       | Revision date                          | Modified |          |
| 3                     | Composition/information on ingredients | Modified |          |

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| ACGIH                       | American Conference of Governmental Industrial Hygienists  |
| TWA                         | Time Weighted Average  |
| TLV                         | Threshold Limit Value  |
| ASTM                        | American Society for Testing and Materials   |
| ADR                         | Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route                      |
| RID                         | Regulations Concerning the International Carriage of Dangerous Goods by Rail                                   |
| ADNR                        | Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| IMDG                        | International Maritime Dangerous Goods   |

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**Abbreviations and acronyms:**

|                  |   |
|------------------|---|
| ICAO             | International Civil Aviation Organization |
| IATA             | International Air Transport Association   |
| STEL             | Short Term Exposure Limit                 |
| LD <sub>50</sub> | Median Lethal Dose                        |
| ATE              | Acute Toxicity Estimate                   |
| LC <sub>50</sub> | Median Lethal Concentration               |
| EC <sub>50</sub> | Median Effective Concentration            |

**Other information:**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any guarantee, express or implied, regarding its correctness. The conditions or methods of handling, storage, use, or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**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.   |
| EUH208              | Contains N,N-dicocoalkyl 3-amino-propane-1,2-diol, 2-tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction. |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1.   |
| H302                | Harmful if swallowed.  |
| H314                | Causes severe skin burns and eye damage.   |
| H317                | May cause an allergic skin reaction.   |
| H318                | Causes serious eye damage.   |
| H361                | Suspected of damaging fertility or the unborn child.   |
| H373                | May cause damage to organs through prolonged or repeated exposure.   |
| H400                | Very toxic to aquatic life.  |
| H410                | Very toxic to aquatic life with long-lasting effects.  |
| H411                | Toxic to aquatic life with long-lasting effects.   |
| H412                | Harmful to aquatic life with long-lasting effects.   |



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| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Repr. 2                             | Reproductive toxicity, Category 2.                              |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1, Sub-Category 1C.         |
| Skin Sens. 1                        | Skin sensitisation, Category 1.                                 |
| Skin Sens. 1B                       | Skin sensitisation, Category 1B.                                |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2. |

**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.