# EU safety data sheet

**Trade name:** KRONES celerol LC 7651

**Current version :** 2.0.0, issued: 24.03.2023 **Replaced version:** 1.0.0, issued: 23.03.2023 **Region:** GER

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

### 1.1 Product identifier

**Trade name**

**KRONES celerol LC 7651**

**UFI:**
**2RFX-40RH-P00F-9AFM**

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

**Relevant identified uses of the substance or mixture**
Lubricant

**Uses advised against**
No data available.

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

**Address**
KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling

Telephone no. +49 9401 70-3020
e-mail kic@kic-krones.com

### 1.4 Emergency telephone number

No data available.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**
Eye Irrit. 2; H319

**Classification information**
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**

GHS07

**Signal word**
Warning

**Hazard statement(s)**

| | |
|---|---|
| H319 | Causes serious eye irritation. |

**Hazard statements (EU)**

| | |
|---|---|
| EUH208 | Contains Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts. May produce an allergic reaction. |

**Precautionary statement(s)**

| | |
|---|---|
| P264 | Wash skin thoroughly after handling. |
| P280 | Wear eye protection/face protection. |

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

**UFI:**
2RFX-40RH-P00F-9AFM

### 2.3 Other hazards

PBT assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment
According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Hazardous ingredients**

| No | Substance name | | Additional information | |
|---|---|---|---|---|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | **Sulfonic acids, petroleum, calcium salts** | | | |
| | 61789-86-4<br>263-093-9<br>-<br>01-2119488992-18 | Skin Sens. 1B; H317 | >= 5,00 - < 10,00 | wt% |
| 2 | **Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** | | | |
| | 68584-23-6<br>271-529-4<br>-<br>01-2119492627-25 | Skin Sens. 1B; H317 | >= 5,00 - < 10,00 | wt% |
| 3 | **Calcium-dodecylbenzenesulphonate** | | | |
| | 26264-06-2<br>247-557-8<br>-<br>01-2120122335-68 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Aquatic Chronic 4; H413 | < 2,50 | wt% |
| 4 | **bis(nonylphenyl)amine** | | | |
| | 36878-20-3<br>253-249-4<br>-<br>01-2119488911-28 | Aquatic Chronic 4; H413 | < 2,50 | wt% |
| 5 | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | | |
| | 68411-46-1<br>270-128-1<br>-<br>01-2119491299-23 | Aquatic Chronic 3; H412 | < 2,50 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|---|---|---|---|---|
| 1 | - | Skin Sens. 1B; H317: C >= 10% | - | - |
| 2 | - | Skin Sens. 1B; H317: C >= 10% | - | - |

| Acute toxicity estimate (ATE) values | | | |
|---|---|---|---|
| **No** | **oral** | **dermal** | **inhalative** |
| 3 | 1300 mg/kg bodyweight | | |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information**
Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician.

**After inhalation**
Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. In case of persisting adverse effects consult a physician.

**After skin contact**
When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

**After eye contact**
Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

**After ingestion**
Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

### 4.2 Most important symptoms and effects, both acute and delayed
No data available.

### 4.3 Indication of any immediate medical attention and special treatment needed
No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media**
Water spray jet; Water mist; Alcohol-resistant foam; Dry chemical extinguisher; Carbon dioxide

**Unsuitable extinguishing media**
High power water jet

### 5.2 Special hazards arising from the substance or mixture
In the event of fire, the following can be released: Carbon monoxide and carbon dioxide; Metal oxides; Nitrogen oxides (NOx); Sulphur oxides (SxOy)

### 5.3 Advice for firefighters
Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel**
Refer to protective measures listed in sections 7 and 8. Remove persons to safety. Do not inhale vapours.

**For emergency responders**
Personal protective equipment (PPE) - see section 8.

### 6.2 Environmental precautions
Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up
Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations".

### 6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling**
Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**
Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale dust. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

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

**Technical measures and storage conditions**
Keep container tightly closed and dry in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**
Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

**Incompatible products**
Substances to be avoided, see section 10.

**Stoarge Class according TRGS 510**
11 Combustible solids that cannot be assigned to any of the above storage classes

### 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values**

| No | Substance name | CAS no. | EC no. |
|---|---|---|---|
| 1 | **Sulfonic acids, petroleum, calcium salts** | **61789-86-4** | **263-093-9** |
| | **TRGS 900** | | |
| | Sulfonsäuren, Erdöl-, Calciumsalze | | |
| | alveolengängige Fraktion | | |
| | WEL long-term (8-hr TWA reference period) | 5 mg/m³ | |
| | Ceiling Limit | 4(II) | |

**DNEL, DMEL and PNEC values**

**DNEL values (worker)**

| No | Substance name | | | CAS / EC no | |
|---|---|---|---|---|---|
| | Route of exposure | Exposure time | Effect | Value | |
| 1 | **Sulfonic acids, petroleum, calcium salts** | | | **61789-86-4 263-093-9** | |
| | dermal | Long term (chronic) | systemic | 3,33 | mg/kg/day |
| | dermal | Long term (chronic) | local | 1,03 | mg/cm² |
| | inhalative | Long term (chronic) | systemic | 11,75 | mg/m³ |
| 2 | **Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** | | | **68584-23-6 271-529-4** | |
| | dermal | Long term (chronic) | systemic | 3,33 | mg/kg/day |
| | dermal | Long term (chronic) | local | 1,03 | mg/cm² |

| | | | | | |
|---|---|---|---|---|---|
| | inhalative | Long term (chronic) | systemic | 11,75 | mg/m³ |
| 3 | **Calcium-dodecylbenzenesulphonate** | | | **26264-06-2 247-557-8** | |
| | dermal | Long term (chronic) | systemic | 57,20 | mg/kg/day |
| | dermal | Short term (acut) | systemic | 80,00 | mg/kg/day |
| | dermal | Long term (chronic) | local | 1,57 | mg/cm² |
| | dermal | Short term (acut) | local | 1,57 | mg/cm² |
| | inhalative | Long term (chronic) | systemic | 52,00 | mg/m³ |
| | inhalative | Short term (acut) | systemic | 52,00 | mg/m³ |
| | inhalative | Long term (chronic) | local | 52,00 | mg/m³ |
| | inhalative | Short term (acut) | local | 52,00 | mg/m³ |
| 4 | **bis(nonylphenyl)amine** | | | **36878-20-3 253-249-4** | |
| | dermal | Long term (chronic) | systemic | 0,62 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 4,37 | mg/m³ |
| 5 | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | | **68411-46-1 270-128-1** | |
| | dermal | Long term (chronic) | systemic | 0,62 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 4,37 | mg/m³ |

**DNEL value (consumer)**

| No | Substance name | | | CAS / EC no | |
|---|---|---|---|---|---|
| | **Route of exposure** | **Exposure time** | **Effect** | **Value** | |
| 1 | **Sulfonic acids, petroleum, calcium salts** | | | **61789-86-4 263-093-9** | |
| | oral | Long term (chronic) | systemic | 0,833 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 1,667 | mg/kg/day |
| | dermal | Long term (chronic) | local | 0,513 | mg/cm² |
| | inhalative | Long term (chronic) | systemic | 2,90 | mg/m³ |
| 2 | **Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** | | | **68584-23-6 271-529-4** | |
| | oral | Long term (chronic) | systemic | 0,833 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 1,667 | mg/kg/day |
| | dermal | Long term (chronic) | local | 0,513 | mg/cm² |
| | inhalative | Long term (chronic) | systemic | 2,9 | mg/m³ |
| 3 | **Calcium-dodecylbenzenesulphonate** | | | **26264-06-2 247-557-8** | |
| | oral | Long term (chronic) | systemic | 13,00 | mg/kg/day |
| | oral | Short term (acut) | systemic | 13,00 | mg/kg/day |
| | dermal | Long term (chronic) | systemic | 28,60 | mg/kg/day |
| | dermal | Short term (acut) | systemic | 40,00 | mg/kg/day |
| | dermal | Long term (chronic) | local | 0,787 | mg/cm² |
| | dermal | Short term (acut) | local | 0,787 | mg/cm² |
| | inhalative | Long term (chronic) | systemic | 26,00 | mg/m³ |
| | inhalative | Short term (acut) | systemic | 26,00 | mg/m³ |
| | inhalative | Long term (chronic) | local | 26,00 | mg/m³ |
| | inhalative | Short term (acut) | local | 26,00 | mg/m³ |
| 4 | **bis(nonylphenyl)amine** | | | **36878-20-3 253-249-4** | |
| | oral | Long term (chronic) | systemic | 0,31 | mg/kg |
| | dermal | Long term (chronic) | systemic | 0,31 | mg/kg |
| | inhalative | Long term (chronic) | systemic | 1,09 | mg/m³ |
| 5 | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | | **68411-46-1 270-128-1** | |
| | oral | Long term (chronic) | systemic | 0,31 | mg/m³ |
| | dermal | Long term (chronic) | systemic | 0,31 | mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 1,09 | mg/m³ |

**PNEC values**

| No | Substance name | | CAS / EC no |
|---|---|---|---|
| | **ecological compartment** | **Type** | **Value** |

| | | | | |
|---|---|---|---|---|
| 1 | **Sulfonic acids, petroleum, calcium salts** | | **61789-86-4 263-093-9** | |
| | water | fresh water | 1,00 | mg/L |
| | water | marine water | 1,00 | mg/L |
| | water | fresh water sediment | 226000000 | mg/kg |
| | with reference to: dry weight | | | |
| | water | marine water sediment | 226000000 | mg/kg |
| | with reference to: dry weight | | | |
| | soil | - | 271000000 | mg/kg |
| | with reference to: dry weight | | | |
| | sewage treatment plant | - | 1000,00 | mg/L |
| | secondary poisoning | - | 16,667 | mg/kg |
| | with reference to: food | | | |
| 2 | **Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** | | **68584-23-6 271-529-4** | |
| | water | fresh water | 1 | mg/L |
| | water | marine water | 1 | mg/L |
| | water | Aqua intermittent | 10 | mg/L |
| | water | fresh water sediment | 226000 | g/kg |
| | water | marine water sediment | 226000 | g/kg |
| | soil | - | 271000 | g/kg |
| | sewage treatment plant | - | 1000 | mg/L |
| | secondary poisoning | - | 16,667 | mg/kg food |
| 3 | **Calcium-dodecylbenzenesulphonate** | | **26264-06-2 247-557-8** | |
| | water | fresh water | 0,28 | mg/L |
| | water | marine water | 0,458 | mg/L |
| | water | fresh water sediment | 27,5 | mg/kg |
| | with reference to: dry weight | | | |
| | water | marine water sediment | 2,75 | mg/kg |
| | with reference to: dry weight | | | |
| | soil | - | 25,00 | mg/kg |
| | with reference to: dry weight | | | |
| | air | - | 10,00 | mg/m³ |
| | sewage treatment plant | - | 50,00 | mg/L |
| | secondary poisoning | - | 20,00 | mg/kg |
| | with reference to: food | | | |
| 4 | **bis(nonylphenyl)amine** | | **36878-20-3 253-249-4** | |
| | water | fresh water | 0,10 | mg/L |
| | water | marine water | 0,01 | mg/L |
| | water | fresh water sediment | 132000,00 | mg/kg |
| | with reference to: dry weight | | | |
| | water | marine water sediment | 13200,00 | mg/kg |
| | with reference to: dry weight | | | |
| | water | Aqua intermittent | 1,00 | mg/L |
| | soil | - | 263000,00 | mg/kg |
| | with reference to: dry weight | | | |
| | sewage treatment plant | - | 1,00 | mg/L |
| 5 | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | **68411-46-1 270-128-1** | |
| | water | fresh water | 0,051 | mg/L |
| | water | marine water | 0,0051 | mg/L |
| | water | Aqua intermittent | 0,51 | mg/L |
| | water | fresh water sediment | 9320 | mg/kg |
| | with reference to: dry weight | | | |
| | water | marine water sediment | 932 | mg/kg |
| | with reference to: dry weight | | | |
| | soil | - | 1860 | mg/kg |
| | with reference to: dry weight | | | |

| | | | | |
|---|---|---|---|---|
| | sewage treatment plant | - | 1 | mg/L |

### 8.2 Exposure controls

**Appropriate engineering controls**
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment**

**Respiratory protection**
If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified.
Respiratory filter (part): P

**Eye / face protection**
Safety glasses with side protection shield (EN 166)

**Hand protection**
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.
Appropriate Material nitrile rubber

**Other**
Chemical-resistant work clothes.

**Environmental exposure controls**
No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| **State of aggregation** |
|---|
| solid |

| **Form** |
|---|
| paste |

| **Colour** |
|---|
| beige |

| **Odour** |
|---|
| characteristic |

| **pH value** |
|---|
| No data available |

| **Boiling point / boiling range** |
|---|
| No data available |

| **Melting point/freezing point** |
|---|
| No data available |

| **Decomposition temperature** |
|---|
| No data available |

| **Flash point** |
|---|
| No data available |

| **Ignition temperature** |
|---|
| No data available |

| **Explosive properties** |
|---|

| |
|---|
| Product does not present an explosion hazard. |

| **Flammability** |
|---|
| Product is combustible. |

| **Lower explosion limit** |
|---|
| No data available |

| **Upper explosion limit** |
|---|
| No data available |

| **Vapour pressure** | | | |
|---|---|---|---|
| Value | < | 0,001 | hPa |
| Reference temperature | | 20 | °C |

| **Relative vapour density** |
|---|
| No data available |

| **Relative density** | | | |
|---|---|---|---|
| Value | | 0,98 | |
| Reference temperature | | 20 | °C |
| Comments | calculated value | | |

| **Density** | | | |
|---|---|---|---|
| Value | | 0,98 | g/cm³ |
| Reference temperature | | 20 | °C |

| **Solubility in water** | |
|---|---|
| Comments | insoluble |

| **Solubility** |
|---|
| No data available |

| **Partition coefficient n-octanol/water (log value)** | | | | |
|---|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | | **EC no.** |
| **1** | **Calcium-dodecylbenzenesulphonate** | **26264-06-2** | | **247-557-8** |
| log Pow | | | 4,77 | |
| Reference temperature | | | 25 | °C |
| Method | QSAR | | | |
| Source | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| log Pow | > | | 7,6 | |
| Source | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |
| log Pow | > | | 6 | |
| Source | ECHA | | | |

| **Kinematic viscosity** |
|---|
| No data available |

| **Particle characteristics** |
|---|
| No data available |

### 9.2 Other information

| **Other information** |
|---|
| No data available. |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable at ambient temperature.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

### 10.3 Possibility of hazardous reactions
Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid
None, if handled according to intended use.

### 10.5 Incompatible materials
None known.

### 10.6 Hazardous decomposition products
No data available.

## SECTION 11: Toxicological information

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

| **Acute oral toxicity (result of the ATE calculation for the mixture)** | |
|---|---|
| **No** | **Product Name** |
| **1** | **KRONES celerol LC 7651** |
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg). |

| **Acute oral toxicity** | | | | |
|---|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | **61789-86-4** | | **263-093-9** |
| LD50 | > | 5000 | | mg/kg bodyweight |
| Species | rat | | | |
| Method | OECD 401 | | | |
| Source | ECHA | | | |
| **2** | **Calcium-dodecylbenzenesulphonate** | **26264-06-2** | | **247-557-8** |
| LD50 | | 1300 | | mg/kg bodyweight |
| Species | rat | | | |
| Source | ECHA | | | |
| **3** | **bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| LD50 | > | 5000 | | mg/kg bodyweight |
| Species | rat | | | |
| Method | OECD 401 | | | |
| Source | ECHA | | | |
| **4** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |
| LD50 | > | 5000 | | mg/kg bodyweight |
| Species | rat | | | |
| Method | OECD 401 | | | |
| Source | ECHA | | | |

| **Acute dermal toxicity** | | | | |
|---|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | **61789-86-4** | | **263-093-9** |
| LD50 | > | 5000 | | mg/kg bodyweight |
| Species | rabbit | | | |
| Method | OECD 402 | | | |
| Source | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| LD50 | > | 2000 | | mg/kg bodyweight |
| Species | rabbit | | | |
| Method | OECD 402 | | | |
| Source | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |

| | | |
|---|---|---|
| LD50 | > 2000 | mg/kg bodyweight |
| Species | rat | |
| Method | OECD 402 | |
| Source | ECHA | |

| **Acute inhalational toxicity** |
|---|
| No data available |

| **Skin corrosion/irritation** | | | |
|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | **EC no.** |
| **1** | **Calcium-dodecylbenzenesulphonate** | **26264-06-2** | **247-557-8** |
| Duration of exposure | 4 | h | |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | irritant | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | **253-249-4** |
| Duration of exposure | 4 | h | |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | low-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | **270-128-1** |
| Duration of exposure | 4 | h | |
| Species | rabbit | | |
| Method | OECD 404 | | |
| Source | ECHA | | |
| Evaluation | low-irritant | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| **Serious eye damage/irritation** | | | |
|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | **EC no.** |
| **1** | **Calcium-dodecylbenzenesulphonate** | **26264-06-2** | **247-557-8** |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | Irreversible effects on the eye | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | **253-249-4** |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | **270-128-1** |
| Species | rabbit | | |
| Method | OECD 405 | | |
| Source | ECHA | | |
| Evaluation | non-irritant | | |

| **Respiratory or skin sensitisation** | | | |
|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | **EC no.** |
| **1** | **bis(nonylphenyl)amine** | **36878-20-3** | **253-249-4** |
| Route of exposure | Skin | | |
| Species | guinea pig | | |
| Method | OECD 406 | | |
| Source | ECHA | | |
| Evaluation | non-sensitizing | | |
| **2** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | **270-128-1** |
| Route of exposure | Skin | | |
| Species | guinea pig | | |

| | |
|---|---|
| Method | OECD 406 |
| Source | ECHA |
| Evaluation | non-sensitizing |

| **Germ cell mutagenicity** | | | |
|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | **EC no.** |
| **1** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | **270-128-1** |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| **Reproduction toxicity** | | | |
|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | **EC no.** |
| **1** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | **270-128-1** |
| Route of exposure | oral | | |
| Species | rat | | |
| Method | OECD 422 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| **Carcinogenicity** |
|---|
| No data available |

| **STOT - single exposure** |
|---|
| No data available |

| **STOT - repeated exposure** |
|---|
| No data available |

| **Aspiration hazard** |
|---|
| No data available |

### 11.2 Information on other hazards

**Endocrine disrupting properties**
No data available.

**Other information**
No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| **Toxicity to fish (acute)** | | | | |
|---|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | **61789-86-4** | | **263-093-9** |
| LC50 | > | 10000 | | mg/l |
| Duration of exposure | | 96 | | h |
| Species | Cyprinodon variegatus | | | |
| Method | OECD 203 | | | |
| Source | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| LC50 | > | 100 | | mg/l |
| Duration of exposure | | 96 | | h |
| Species | Danio rerio | | | |
| Method | OECD 202 | | | |
| Source | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |
| LC50 | > | 100 | | mg/l |
| Duration of exposure | | 96 | | h |
| Species | Danio rerio | | | |
| Method | OECD 203 | | | |
| Source | ECHA | | | |

| **Toxicity to fish (chronic)** |
|---|
| No data available |

| **Toxicity to Daphnia (acute)** | | | | | |
|---|---|---|---|---|---|
| **No** | **Substance name** | | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | | **61789-86-4** | | **263-093-9** |
| EC50 | | > | 1000 | | mg/l |
| Duration of exposure | | | 48 | | h |
| Species | | Daphnia magna | | | |
| Method | | EPA OTS 797.1300 | | | |
| Source | | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | | **36878-20-3** | | **253-249-4** |
| EC50 | | > | 100 | | mg/l |
| Duration of exposure | | | 48 | | h |
| Species | | Daphnia magna | | | |
| Method | | OECD 202 | | | |
| Source | | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | **68411-46-1** | | **270-128-1** |
| EC50 | | | 51 | | mg/l |
| Duration of exposure | | | 48 | | h |
| Species | | Daphnia magna | | | |
| Method | | OECD 202 | | | |
| Source | | ECHA | | | |

| **Toxicity to Daphnia (chronic)** |
|---|
| No data available |

| **Toxicity to algae (acute)** | | | | | |
|---|---|---|---|---|---|
| **No** | **Substance name** | | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | | **61789-86-4** | | **263-093-9** |
| EC50 | | > | 1000 | | mg/l |
| Duration of exposure | | | 72 | | h |
| Species | | Pseudokirchneriella subcapitata | | | |
| Method | | EPA OTS 797.1050 | | | |
| Source | | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | | **36878-20-3** | | **253-249-4** |
| EC50 | | | 600 | | mg/l |
| Duration of exposure | | | 72 | | h |
| Species | | Pseudokirchneriella subcapitata | | | |
| Method | | OECD 201 | | | |
| Source | | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | | **68411-46-1** | | **270-128-1** |
| EC50 | | > | 100 | | mg/l |
| Duration of exposure | | | 72 | | h |
| Species | | Desmodesmus subspicatus | | | |
| Method | | OECD 201 | | | |
| Source | | ECHA | | | |

| **Toxicity to algae (chronic)** |
|---|
| No data available |

| **Bacteria toxicity** |
|---|
| No data available |

### 12.2 Persistence and degradability

| **Biodegradability** | | | | | |
|---|---|---|---|---|---|
| **No** | **Substance name** | | **CAS no.** | | **EC no.** |
| **1** | **Sulfonic acids, petroleum, calcium salts** | | **61789-86-4** | | **263-093-9** |
| Type | | aerobic biodegradation | | | |
| Value | | | 8,6 | | % |
| Duration | | | 28 | | day(s) |

| | | | |
|---|---|---|---|
| Method | OECD 301 D | | |
| Source | ECHA | | |
| Evaluation | not readily biodegradable | | |
| **2 bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| Type | aerobic biodegradation | | |
| Value | | 1 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 B | | |
| Source | ECHA | | |
| Evaluation | not readily biodegradable | | |
| **3 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |
| Type | aerobic biodegradation | | |
| Value | | 1 | % |
| Duration | | 28 | day(s) |
| Method | OECD 301 B | | |
| Source | ECHA | | |
| Evaluation | not readily biodegradable | | |

### 12.3 Bioaccumulative potential

| **Partition coefficient n-octanol/water (log value)** | | | | |
|---|---|---|---|---|
| **No** | **Substance name** | **CAS no.** | | **EC no.** |
| **1** | **Calcium-dodecylbenzenesulphonate** | **26264-06-2** | | **247-557-8** |
| log Pow | | | 4,77 | |
| Reference temperature | | | 25 | °C |
| Method | QSAR | | | |
| Source | ECHA | | | |
| **2** | **bis(nonylphenyl)amine** | **36878-20-3** | | **253-249-4** |
| log Pow | > | | 7,6 | |
| Source | ECHA | | | |
| **3** | **Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene** | **68411-46-1** | | **270-128-1** |
| log Pow | > | | 6 | |
| Source | ECHA | | | |

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

| **Results of PBT and vPvB assessment** | |
|---|---|
| PBT assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT. |
| vPvB assessment | According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB. |

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

| **Other information** |
|---|
| Do not discharge product unmonitored into the environment. |

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Product**
Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**
Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN
The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG
The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA
The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information
No data available.

### 14.5 Environmental hazards
Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user
No data available.

### 14.7 Maritime transport in bulk according to IMO instruments
Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU regulations**

| **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)** |
|---|
| According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006. |

| **REACH candidate list of substances of very high concern (SVHC) for authorisation** |
|---|
| According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006. |

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

| No | Substance name | CAS no. | EC no. | No |
|---|---|---|---|---|
| 1 | diphenylamine | 122-39-4 | 204-539-4 | 75 |

| **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances** |
|---|
| This product is not subject to Part 1 or 2 of Annex I. |

| **Other regulations** |
|---|
| Adhere to the national sanitary and occupational safety regulations when using this product. |

**National regulations**

**Water Hazard Class (Germany)**

| | |
|---|---|
| Class | 2 |
| Source | Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water). |

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

**Sources of key data used to compile the data sheet:**
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

| | |
|---|---|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H412 | Harmful to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

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This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.


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