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

1.1. Product identifier

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

Use of the substance/mixture

Eases assembly and disassembly of metal parts by protecting against galling, self-welding, corrosion, and galvanic attack. Do not use on oxygen systems.

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Chesterton International GmbH
Street: Am Lenzenfleck 23
Place: DE-85737 Ismaning GERMANY
Telephone: +49 89 99 65 46 - 0
Telefax: +49 89 99 65 46 - 50
e-mail: eu-sds@chesterton.com
e-mail (Contact person): eu-sds@chesterton.com
Internet: www.chesterton.com
Responsible Department: eu-sds@chesterton.com

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:
Serious eye damage/eye irritation: Eye Irrit. 2
Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:
Causes serious eye irritation.
May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
Sulfonic acids, petroleum, calcium salts
5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione

Signal word: Warning
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Pictograms:

Hazard statements
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
### Hazardous components

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>68584-23-6</td>
<td>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</td>
<td>1-4 %</td>
</tr>
<tr>
<td>61789-86-4</td>
<td>Sulfonic acids, petroleum, calcium salts</td>
<td>1-4 %</td>
</tr>
<tr>
<td>72676-55-2</td>
<td>5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione</td>
<td>1-3 %</td>
</tr>
<tr>
<td>26264-06-2</td>
<td>Calcium dodecylbenzenesulphonate</td>
<td>1-2 %</td>
</tr>
</tbody>
</table>

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information**

Remove victim out of the danger area. When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water.

Do NOT induce vomiting.

IF SWALLOWED: Call a POISON CENTER/doctor// if you feel unwell.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.
SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
- Foam, Extinguishing powder, Carbon dioxide (CO2), Sand

Unsuitable extinguishing media
- Strong water jet

5.2. Special hazards arising from the substance or mixture

- In case of fire may be liberated: Carbon dioxide (CO2), Carbon monoxide, Nitrogen oxides (NOx)

5.3. Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protection equipment. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

- Cover drains. Do not empty into drains.

6.3. Methods and material for containment and cleaning up

- Take up mechanically, placing in appropriate containers for disposal.
- Dispose of waste according to applicable legislation.

6.4. Reference to other sections

- Personal protection equipment: see section 8
- Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Advice on safe handling
  - Wear personal protection equipment (refer to section 8).
  - When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets.

- Advice on protection against fire and explosion
  - Measures to prevent fire: Usual measures for fire prevention.
  - Environmental precautions: Do not allow to enter into surface water or drains.

- Further information on handling
  - Special danger of slipping by leaking/spilling product.

7.2. Conditions for safe storage, including any incompatibilities

- Requirements for storage rooms and vessels
  - Store in a cool dry place. Keep container tightly closed.
  - Keep/Store only in original container.
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Protect against direct sunlight.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Protect against: Frost
storage temperature: <45°C

7.3. Specific end use(s)
No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
## Safety Data Sheet

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### DNEL/DNEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>DNEL type</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>66584-23-6</td>
<td>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>11.75 mg/m³</td>
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<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>3.33 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>1.03 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>2.9 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>1.667 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>local</td>
<td>0.513 mg/cm²</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>0.833 mg/kg bw/day</td>
</tr>
<tr>
<td>61789-86-4</td>
<td>Sulfonic acids, petroleum, calcium salts</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>11.75 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>3.33 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>local</td>
<td>1.03 mg/cm²</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
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<td>systemic</td>
<td>2.9 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>1.667 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>local</td>
<td>0.513 mg/cm²</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>0.833 mg/kg bw/day</td>
</tr>
<tr>
<td>72676-55-2</td>
<td>5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione</td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>0.5 mg/kg bw/day</td>
</tr>
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<td></td>
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<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>0.87 mg/m³</td>
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<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
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<td>0.25 mg/kg bw/day</td>
</tr>
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<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>3.53 mg/m³</td>
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<tr>
<td>26264-06-2</td>
<td>Calcium dodecybenzenesulphonate</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>52 mg/m³</td>
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<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>52 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
<td>52 mg/m³</td>
</tr>
</tbody>
</table>

---

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**Worker DNEL, long-term**
- dermal: 57.2 mg/kg bw/day

**Worker DNEL, acute**
- dermal: 80 mg/kg bw/day

**Worker DNEL, long-term**
- dermal: 1.57 mg/cm²

**Worker DNEL, acute**
- dermal: 1.57 mg/cm²

**Consumer DNEL, long-term**
- inhalation: 26 mg/m³

**Consumer DNEL, acute**
- inhalation: 26 mg/m³

**Consumer DNEL, long-term**
- inhalation: 26 mg/m³

**Consumer DNEL, acute**
- inhalation: 26 mg/m³

**Consumer DNEL, long-term**
- dermal: 28.6 mg/kg bw/day

**Consumer DNEL, acute**
- dermal: 40 mg/kg bw/day

**Consumer DNEL, long-term**
- dermal: 0.787 mg/cm²

**Consumer DNEL, acute**
- dermal: 0.787 mg/cm²

**Consumer DNEL, long-term**
- oral: 13 mg/kg bw/day

**Consumer DNEL, acute**
- oral: 13 mg/kg bw/day
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### PNEC values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>68584-23-6</td>
<td>Benzenesulfonic acid, C10-16-alkyl deriv., calcium salts</td>
<td>Freshwater</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>2260000000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>2260000000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Secondary poisoning</td>
<td>16667 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>2710000000 mg/kg</td>
</tr>
<tr>
<td>61789-86-4</td>
<td>Sulfonic acids, petroleum, calcium salts</td>
<td>Freshwater</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>2260000000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>2260000000 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Secondary poisoning</td>
<td>16667 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>2710000000 mg/kg</td>
</tr>
<tr>
<td>72676-55-2</td>
<td>5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione</td>
<td>Freshwater</td>
<td>0.003 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td>0.003 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine water</td>
<td>0 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>0.039 mg/kg</td>
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<td></td>
<td>Marine sediment</td>
<td>0.004 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>0.31 mg/l</td>
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<td></td>
<td>Soil</td>
<td>0.006 mg/kg</td>
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<td>26264-06-2</td>
<td>Calcium dodecybenzenesulphonate</td>
<td>Freshwater</td>
<td>0.28 mg/l</td>
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<td></td>
<td>Freshwater sediment</td>
<td>27.5 mg/kg</td>
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<td></td>
<td></td>
<td>Marine sediment</td>
<td>2.75 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Secondary poisoning</td>
<td>20 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>25 mg/kg</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Appropriate engineering controls**

Provide adequate ventilation as well as local exhaustion at critical locations.
Protective and hygiene measures
Only wear fitting, comfortable and clean protective clothing.
Avoid contact with skin, eyes and clothes.
When using do not eat, drink, smoke, sniff. Wash hands and face before breaks and after work and take a shower if necessary.
Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. Apply skin care products after work.

Eye/face protection
Suitable eye protection:
Eye glasses with side protection
goggles

Hand protection
Suitable gloves type: NBR (Nitrile rubber) DIN EN 374
Wearing time with permanent contact: NBR (Nitrile rubber) Thickness of the glove material: >= 0.4 mm,
Breakthrough time (maximum wearing time): >480 min
Wearing time with occasional contact (splashes): NBR (Nitrile rubber) Thickness of the glove material: >= 0.1 mm, Breakthrough time (maximum wearing time) > 30 min
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection
Wear suitable protective clothing.

Respiratory protection
Usually no personal respirative protection necessary.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Filtering device (full mask or mouthpiece) with filter: A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Paste</td>
</tr>
<tr>
<td>Colour</td>
<td>grey</td>
</tr>
<tr>
<td>Odour</td>
<td>mild</td>
</tr>
<tr>
<td>pH-Value</td>
<td>not determined</td>
</tr>
<tr>
<td>Changes in the physical state</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>not determined</td>
</tr>
<tr>
<td>Sublimation point</td>
<td>not determined</td>
</tr>
<tr>
<td>Softening point</td>
<td>not determined</td>
</tr>
<tr>
<td>Pour point</td>
<td>not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;190 °C</td>
</tr>
</tbody>
</table>
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Flammability
Solid: not determined
Gas: not determined

Explosive properties
not explosive according to EU A.14
Lower explosion limits: not determined
Upper explosion limits: not determined
Ignition temperature: not determined

Auto-ignition temperature
Solid: not determined
Gas: not determined

Decomposition temperature: not determined

Oxidizing properties
Not oxidising.

Vapour pressure: not determined

Density (at 25 °C): 1.33 g/cm³
Water solubility: Immiscible

Solubility in other solvents
not determined

Partition coefficient: not applicable

Viscosity / dynamic:
(at 25 °C) 1-3 Mio mPa·s

Vapour density: >1 (Air = 1)
Evaporation rate: <1 (Ether = 1)

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions
No known hazardous reactions.

10.4. Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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10.5. Incompatible materials
Oxidising agent, strong

10.6. Hazardous decomposition products
No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution
Toxicological data are not available. The statement is derived from the properties of the single components.

Acute toxicity
Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
<th>Method</th>
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</thead>
<tbody>
<tr>
<td>68584-23-6</td>
<td>Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>&gt; 16000</td>
<td>Rat</td>
<td>Study report (1981)</td>
</tr>
<tr>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>&gt; 5000</td>
<td>Rabbit</td>
<td>Study report (1981)</td>
<td>OECD Guideline 402</td>
<td></td>
</tr>
<tr>
<td>61789-86-4</td>
<td>Sulfonic acids, petroleum, calcium salts</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>&gt; 16000</td>
<td>Rat</td>
<td>Study report (1981)</td>
</tr>
<tr>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>&gt; 5000</td>
<td>Rabbit</td>
<td>Study report (1981)</td>
<td>OECD Guideline 402</td>
<td></td>
</tr>
<tr>
<td>72676-55-2</td>
<td>5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>&gt; 2000</td>
<td>Rat</td>
<td>Study report (2016)</td>
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<tr>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>&gt; 2000</td>
<td>Rabbit</td>
<td>Study report (1983)</td>
<td>OECD Guideline 402</td>
<td></td>
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<tr>
<td>26264-06-2</td>
<td>Calcium dodecybenzenesulphonate</td>
<td>oral</td>
<td>LD50 mg/kg</td>
<td>1300</td>
<td>Rat</td>
<td>Product Safety labs (1998)</td>
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<tr>
<td>dermal</td>
<td>LD50 mg/kg</td>
<td>2000</td>
<td>Rabbit</td>
<td>Study report (1972)</td>
<td>Method: other: Test material was applied</td>
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</tr>
</tbody>
</table>

Irritation and corrosivity
Causes serious eye irritation.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Not an irritant.

Sensitising effects
May cause an allergic skin reaction. (Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts; Sulfonic acids, petroleum, calcium salts; 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione) not sensitising.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.
No information available.

STOT-single exposure
Based on available data, the classification criteria are not met.
No information available.

STOT-repeated exposure
Based on available data, the classification criteria are not met.
No information available.

Aspiration hazard
Based on available data, the classification criteria are not met.
No information available.

Specific effects in experiment on an animal
No information available.

Additional information on tests
No information available.

Practical experience

Observations relevant to classification
No information available.

Other observations
No information available.

Further information
No information available.

SECTION 12: Ecological information

12.1. Toxicity
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---

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>h</th>
<th>d</th>
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<td>ErC50 &gt; 1000 mg/l</td>
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<td>EPA OTS 797.1050</td>
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<td>EC50 &gt; 1000 mg/l</td>
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### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

---

Partition coefficient n-octanol/water

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<th>Chemical name</th>
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<td>&gt; 4.46</td>
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<tr>
<td>61789-86-4</td>
<td>Sulfonic acids, petroleum, calcium salts</td>
<td>&gt; 4.46</td>
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<tr>
<td>72676-55-2</td>
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BCF

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<td>70.79</td>
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<td>REACH Registration D</td>
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</table>

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

Further information

Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Packing which cannot be properly cleaned must be disposed of. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| 14.1. UN number: | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group: | No dangerous good in sense of this transport regulation. |
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Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No
Danger releasing substance: No dangerous good in sense of this transport regulation.

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
- Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts
- Sulfonic acids, petroleum, calcium salts
- 5,5’-dithiodi-1,3,4-thiadiazole-2(3H)-thione
- Calcium dodecylbenzenesulphonate

SECTION 16: Other information

Changes

No information available.

Abbreviations and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IMDG: International Maritime Code for Dangerous Goods
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Revision date: 14.08.2018

IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
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<th>Classification procedure</th>
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<tr>
<td>Eye Irrit. 2; H319</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Sens. 1; H317</td>
<td>Calculation method</td>
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</tbody>
</table>

Relevant H and EUH statements (number and full text)

H302  Harmful if swallowed.
H315  Causes skin irritation.
H317  May cause an allergic skin reaction.
H318  Causes serious eye damage.
H319  Causes serious eye irritation.
H411  Toxic to aquatic life with long lasting effects.
H413  May cause long lasting harmful effects to aquatic life.

Further Information
This information is based solely on data provided by suppliers of the materials used, not on the mixture itself.
No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose.
The user must make their own determination as to suitability.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)