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

1.1. Product identifier
CP-Synthofloor BETA 8016 Part B

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

Use of the substance/mixture
Coatings and paints, fillers, putties, thinners

Uses advised against
No data 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:
  - Acute toxicity: Acute Tox. 4
  - Acute toxicity: Acute Tox. 4
  - Skin corrosion/irritation: Skin Corr. 1A
  - Serious eye damage/eye irritation: Eye Dam. 1
  - Respiratory or skin sensitisation: Skin Sens. 1
  - Hazardous to the aquatic environment: Aquatic Chronic 3

- Hazard Statements:
  - Harmful if swallowed.
  - Harmful if inhaled.
  - Causes severe skin burns and eye damage.
  - Causes serious eye damage.
  - May cause an allergic skin reaction.
  - Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
Safety Data Sheet

according to Regulation (EC) No 1907/2006

**CP-Synthofloor BETA 8016 Part B**

Revision date: 09.12.2019

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**Hazard components for labelling**
- 2-methylpentane-1,5-diamine
- 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- 2,4,6-tris(dimethylaminomethyl)phenol
- Amines, polyethylenepoly-, tetraethylenepentamine fraction

**Signal word:** Danger

**Pictograms:**

- [Image of pictogram]
- [Image of pictogram]

**Hazard statements**
- H302+H332 Harmful if swallowed or if inhaled.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.

---

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>
<th>EC No</th>
<th>Index No</th>
<th>REACH No</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>50 -&lt; 75 %</td>
<td>202-859-9</td>
<td>803-057-00-5</td>
<td>01-2119492630-38</td>
<td>Acute Tox. 4, Eye Irrit. 2; H332 H302 H319</td>
</tr>
<tr>
<td>15520-10-2</td>
<td>2-methylpentane-1,5-diamine</td>
<td>10 -&lt; 25 %</td>
<td>239-556-6</td>
<td></td>
<td>01-2119976310-41</td>
<td>Acute Tox. 4, Eye Dam. 1, STOT SE 3; H332 H312 H302 H314 H318 H335</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>10 -&lt; 25 %</td>
<td>220-666-8</td>
<td>612-067-00-9</td>
<td>01-2119514687-32</td>
<td>Acute Tox. 4, Skin Corr. 1, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412</td>
</tr>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>5 -&lt; 10 %</td>
<td>202-013-9</td>
<td></td>
<td>01-2119560597-27</td>
<td>Skin Corr. 1, Skin Sens. 1; H314 H317</td>
</tr>
<tr>
<td>90640-66-7</td>
<td>Amines, polyethylenepl, tetraethylenepentamine fraction</td>
<td>5 -&lt; 10 %</td>
<td>292-587-7</td>
<td></td>
<td>01-2119487290-37</td>
<td>Acute Tox. 4, Skin Corr. 1, Skin Sens. 1, Aquatic Chronic 2; H312 H302 H314 H318 H317 H411</td>
</tr>
<tr>
<td>69-72-7</td>
<td>salicylic acid</td>
<td>1 -&lt; 5 %</td>
<td>200-712-3</td>
<td></td>
<td>01-2119486984-17</td>
<td>Acute Tox. 4, Eye Dam. 1; H302 H318</td>
</tr>
</tbody>
</table>

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

### Further Information

No information available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**

Remove affected person from the danger area and lay down. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
After contact with skin
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

After contact with eyes
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

After ingestion
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
- Causes severe skin burns and eye damage.

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
Dry extinguishing powder. Carbon dioxide (CO2). alcohol resistant foam. Water spray jet

Unsuitable extinguishing media
Full water jet

5.2. Special hazards arising from the substance or mixture
Carbon monoxide Carbon dioxide (CO2). Nitrogen oxides (NOx)

5.3. Advice for firefighters
Special protective equipment for firefighters Protective clothing. In case of fire: Wear self-contained breathing apparatus.

Additional information
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
See protective measures under point 7 and 8.
Provide adequate ventilation.
Personal protection equipment: see section 8
Remove persons to safety.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects
Clean contaminated articles and floor according to the environmental legislation. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
6.3. Methods and material for containment and cleaning up
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections
See protective measures under point 7 and 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).
Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used. Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/ vapours/spray. When using do not eat, drink or smoke.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling
Wash hands before breaks and after work. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container. Protect against direct sunlight.

Hints on joint storage
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions
Keep away from:
Frost
Heat
Humidity

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
### DNEL/DMEL values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Exposure route</th>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>Inhalation</td>
<td>Systemic</td>
<td>22 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>110 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, acute</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>8 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>40 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>5.4 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, acute</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>27 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>4 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, acute</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>20 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Oral</td>
<td>Systemic</td>
<td>4 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, acute</strong></td>
<td>Oral</td>
<td>Systemic</td>
<td>20 mg/kg bw/day</td>
</tr>
<tr>
<td>15520-10-2</td>
<td>2-methylpentane-1,5-diamine</td>
<td>Inhalation</td>
<td>Local</td>
<td>0.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, acute</strong></td>
<td>Inhalation</td>
<td>Local</td>
<td>0.25 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>0.25 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>1.5 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Local</td>
<td>0.125 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>0.75 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Oral</td>
<td>Systemic</td>
<td>0.75 mg/kg bw/day</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>Inhalation</td>
<td>Local</td>
<td>0.073 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Local</td>
<td>0.073 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Oral</td>
<td>Systemic</td>
<td>0.526 mg/kg bw/day</td>
</tr>
<tr>
<td>90640-66-7</td>
<td>Amines, polyethylenepoly-, tetraethylenepentamine fraction</td>
<td>Inhalation</td>
<td>Systemic</td>
<td>1.29 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>6940 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Systemic</td>
<td>0.74 mg/kg bw/day</td>
</tr>
<tr>
<td></td>
<td><strong>Worker DNEL, long-term</strong></td>
<td>Dermal</td>
<td>Local</td>
<td>0.036 mg/cm²</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, long-term</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>0.38 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>Consumer DNEL, acute</strong></td>
<td>Inhalation</td>
<td>Systemic</td>
<td>2071 mg/m³</td>
</tr>
</tbody>
</table>
### Consumer DNEL, long-term
- **Dermal**
  - Systemic: 0.32 mg/kg bw/day
- **Acute**
  - Dermal: 10 mg/kg bw/day
  - Local: 0.56 mg/cm²
- **Long-term**
  - Local: 1.29 mg/cm²
- **Acute**
  - Local: 0.53 mg/kg bw/day
- **Oral**
  - Systemic: 26 mg/kg bw/day

### Worker DNEL, long-term
- **Inhalation**
  - Systemic: 5 mg/m³
- **Dermal**
  - Systemic: 2.3 mg/kg bw/day
- **Acute**
  - Ingestion: 4 mg/m³

### Consumer DNEL, long-term
- **Inhalation**
  - Systemic: 4 mg/m³
- **Dermal**
  - Systemic: 1 mg/kg bw/day
- **Oral**
  - Systemic: 1 mg/kg bw/day

### Worker DNEL, acute
- **Inhalation**
  - Systemic: 4 mg/kg bw/day
### PNEC values

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Environmental compartment</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td></td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater</td>
<td></td>
<td>2.3 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td></td>
<td>0.1 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td></td>
<td>5.27 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td></td>
<td>0.527 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td></td>
<td>39 mg/l</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td></td>
<td>0.456 mg/kg</td>
</tr>
<tr>
<td>15520-10-2</td>
<td>2-methylpentane-1,5-diamine</td>
<td></td>
<td>0.42 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater</td>
<td></td>
<td>0.42 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td></td>
<td>0.042 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td></td>
<td>7.58 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td></td>
<td>0.758 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td></td>
<td>1250 mg/l</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td></td>
<td>1.27 mg/kg</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td></td>
<td>0.06 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater</td>
<td></td>
<td>0.23 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td></td>
<td>0.006 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td></td>
<td>5.784 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Marine sediment</td>
<td></td>
<td>0.578 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td></td>
<td>3.18 mg/l</td>
</tr>
<tr>
<td></td>
<td>Soil</td>
<td></td>
<td>1.121 mg/kg</td>
</tr>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td></td>
<td>0.084 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater</td>
<td></td>
<td>0.84 mg/l</td>
</tr>
<tr>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td></td>
<td>0.008 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td></td>
<td>0.2 mg/l</td>
</tr>
<tr>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td></td>
<td>0.2 mg/l</td>
</tr>
<tr>
<td>90640-66-7</td>
<td>Amines, polyethylenepoly-, tetraethylenepentamine fraction</td>
<td></td>
<td>0.00068 mg/l</td>
</tr>
<tr>
<td></td>
<td>Marine water</td>
<td></td>
<td>0.341 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Freshwater sediment</td>
<td></td>
<td>0.746 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Secondary poisoning</td>
<td></td>
<td>0.23 mg/kg</td>
</tr>
</tbody>
</table>
### Soil 0.274 mg/kg

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>69-72-7 salicylic acid</td>
<td>0.2 mg/l</td>
</tr>
<tr>
<td>Freshwater</td>
<td>0.2 mg/l</td>
</tr>
<tr>
<td>Freshwater (intermittent releases)</td>
<td>1 mg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0.02 mg/l</td>
</tr>
<tr>
<td>Freshwater sediment</td>
<td>1.42 mg/kg</td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.142 mg/kg</td>
</tr>
<tr>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>162 mg/l</td>
</tr>
<tr>
<td>Soil</td>
<td>0.166 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**

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

**Eye/face protection**

Suitable eye protection:

- Eye glasses with side protection
- Goggles

**Hand protection**

Tested protective gloves must be worn: EN ISO 374

- NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
- Wearing time with permanent contact: Thickness of the glove material: $\geq 0.4$ mm, Breakthrough time (maximum wearing time): $\geq 480$ min
- Wearing time with occasional contact (splashes): Thickness of the glove material: $\geq 0.1$ mm, Breakthrough time (maximum wearing time) $\geq 30$ 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. Breakthrough times and swelling properties of the material must be taken into consideration.

**Skin protection**

Protective clothing

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).
### 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>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>transparent</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>pH-Value</td>
<td>No data available</td>
</tr>
<tr>
<td>Changes in the physical state</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Sublimation point</td>
<td>No data available</td>
</tr>
<tr>
<td>Softening point</td>
<td>No data available</td>
</tr>
<tr>
<td>Pour point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 85 °C</td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
</tr>
<tr>
<td>Solid</td>
<td>No data available</td>
</tr>
<tr>
<td>Gas</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limits</td>
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<td>Auto-ignition temperature</td>
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<td>Gas</td>
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<tr>
<td>Decomposition temperature</td>
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<td>Oxidizing properties</td>
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<tr>
<td>Vapour pressure</td>
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<tr>
<td>Density (at 20 °C)</td>
<td>~ 1.1 g/cm³</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Solubility in other solvents</td>
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</tr>
<tr>
<td>Partition coefficient</td>
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<tr>
<td>Viscosity / dynamic (at 23 °C)</td>
<td>~ 100 mPa·s</td>
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<tr>
<td>Flow time</td>
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<tr>
<td>Vapour density</td>
<td>No data available</td>
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</table>
Evaporation rate: No data available

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability
No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Harmful if swallowed.
Harmful if inhaled.

ATEmix calculated
ATE (oral) 980,0 mg/kg; ATE (inhalation vapour) 12,50 mg/l; ATE (inhalation aerosol) 1,705 mg/l
### CAS No | Chemical name
---|---
100-51-6 | benzyl alcohol
15520-10-2 | 2-methylpentane-1,5-diamine
2855-13-2 | 3-aminomethyl-3,5,5-trimethylcyclohexylamine
90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol
90640-66-7 | Amines, polyethylenepoly-, tetraethylenepentamine fraction
69-72-7 | salicylic acid

#### Exposure route | Dose | Species | Source | Method
---|---|---|---|---
oral | LD50 mg/kg | 1580 | Mouse | Cosmet. Toxicol. 11, 1011-1013 (1973) (1) OECD Guideline 401
oral | LD50 mg/kg | > 2000 | Rabbit | Raw Material Data Handbook, Vol.1: (Orga)
oral | LD50 mg/kg | 1170 | Rat | Study report (1986) OECD Guideline 401
oral | LD50 mg/kg | 1870 | Rat | Study report (1978) OECD Guideline 402
oral | LD50 mg/kg | 1030 | Rat | Study report (1965) OECD Guideline 401
dermal | LD50 mg/kg | > 2000 | Rat | Study report (2010) OECD Guideline 402
oral | LD50 mg/kg | 2169 | Rat | Study report (1992) OECD Guideline 401
oral | ATE | 500 | | |
dermal | ATE | 1100 | | |
oral | LD50 mg/kg | 891 | Rat | J Am Coll Toxicol, Vol. 15, Suppl. 1, p. OECD Guideline 401
dermal | LD50 mg/kg | > 2000 | Rat | OECD Guideline 402

**Irritation and corrosivity**
- Causes severe skin burns and eye damage.
- Causes serious eye damage.

**Sensitising effects**
- May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamine; 2,4,6-tris(dimethylaminomethyl)phenol; Amines, polyethylenepoly-, tetraethylenepentamine fraction)
Carcinogenic/mutagenic/toxic effects for reproduction
   Based on available data, the classification criteria are not met.

STOT-single exposure
   Based on available data, the classification criteria are not met.

STOT-repeated exposure
   Based on available data, the classification criteria are not met.

Aspiration hazard
   Based on available data, the classification criteria are not met.

Practical experience

Observations relevant to classification
   May cause allergy or asthma symptoms or breathing difficulties if inhaled.

SECTION 12: Ecological information

12.1. Toxicity
### Safety Data Sheet

according to Regulation (EC) No 1907/2006

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Dose</th>
<th>[h]</th>
<th>[d]</th>
<th>Species</th>
<th>Source</th>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>&gt; 100</td>
<td>96</td>
<td>Oryzias latipes</td>
<td>Review article or handbook (2009)</td>
<td>OECD Guideline 203</td>
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<td></td>
<td>Acute algae toxicity</td>
<td>ErC50</td>
<td>770 mg/l</td>
<td>72</td>
<td>Pseudokirchneriella subcapitata</td>
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<td>EC50</td>
<td>230 mg/l</td>
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<td>30 d</td>
<td>Fish species</td>
<td><a href="http://epa.gov/oppt/exposure/pubs/episul">http://epa.gov/oppt/exposure/pubs/episul</a></td>
<td>other: QSAR</td>
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<td>NOEC</td>
<td>51 mg/l</td>
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<td>NOEC</td>
<td>51 mg/l</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>Review article or handbook (2009)</td>
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<td></td>
<td></td>
<td>Acute bacteria toxicity</td>
<td></td>
<td>(1385 mg/l)</td>
<td>3 h</td>
<td>activated sludge, domestic</td>
<td>Study report (1989)</td>
<td>OECD Guideline 209</td>
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<td>15520-10-2</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
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<td></td>
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<td>LC50</td>
<td>1825 mg/l</td>
<td>96</td>
<td>Pimephales promelas</td>
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<td>ErC50</td>
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<td>23,4 mg/l</td>
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<td>ErC50</td>
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<td>Daphnia magna</td>
<td>Study report (2002)</td>
<td>OECD Guideline 202</td>
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<td>Crustacea toxicity</td>
<td>NOEC</td>
<td>3 mg/l</td>
<td>21 d</td>
<td>Daphnia magna</td>
<td>Study report (1993)</td>
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<td>Cyprinus carpio</td>
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<td>ErC50</td>
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<td></td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>1370 mg/l</td>
<td>96</td>
<td>Pimephales promelas</td>
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12.2. Persistence and degradability

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<td>OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A</td>
<td>95 - 97%</td>
<td>21</td>
<td>Readily biodegradable (according to OECD criteria).</td>
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<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A</td>
<td>8 %</td>
<td>28</td>
<td>Not readily biodegradable (according to OECD criteria)</td>
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12.3. Bioaccumulative potential

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BCF

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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.
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations
Dispose of waste according to applicable legislation.

Contaminated packaging
Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 2-methylpentane-1,5-diamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
  Hazard label: 8
  Classification code: C7
  Special Provisions: 274
  Limited quantity: 1 L
  Excepted quantity: E2
  Transport category: 2
  Hazard No: 80
  Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 2-methylpentane-1,5-diamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
  Hazard label: 8
  Classification code: C7
  Special Provisions: 274
  Limited quantity: 1 L
  Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorondiamine, 2-methylpentane-1,5-diamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
  Hazard label: 8
Special Provisions:
- Limited quantity: 1 L
- Excepted quantity: E2
- EmS: F-A, S-B
- Segregation group: alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2735
14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Isooctadecan-1,5-diamine)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
14.5. Environmental hazards
- ENVIRONMENTALLY HAZARDOUS: no

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

EU regulatory information
- 2010/75/EU (VOC): < 500 g/l (A/B)
- Subcategory according to Directive 2004/42/EC: Two-pack reactive performance coatings for specific end use such as floors - Solvent-borne coatings, VOC limit value: 500 g/l

National regulatory information
- Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.
- Water contaminating class (D): 2 - clearly water contaminating
15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
- benzyl alcohol
- 2-methylpentane-1,5-diamine
- 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- 2,4,6-tris(dimethylaminomethyl)phenol
- salicylic acid

SECTION 16: Other information

Changes
This data sheet contains changes from the previous version in section(s): 7.

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
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- CLP: Classification, labelling and Packaging
- REACH: Registration, Evaluation and Authorization of Chemicals
- GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
- UN: United Nations
- CAS: Chemical Abstracts Service
- DNEL: Derived No Effect Level
- DMEL: Derived Minimal Effect Level
- PNEC: Predicted No Effect Concentration
- ATE: Acute toxicity estimate
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%
- LL50: Lethal loading, 50%
- EL50: Effect loading, 50%
- EC50: Effective Concentration 50%
- ErC50: Effective Concentration 50%, growth rate
- NOEC: No Observed Effect Concentration
- BCF: Bio-concentration factor
- PBT: persistent, bioaccumulative, toxic
- vPvB: very persistent, very bioaccumulative
- MARPOL: International Convention for the Prevention of Marine Pollution from Ships
- IBC: Intermediate Bulk Container
- SVHC: Substance of Very High Concern
Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
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<tbody>
<tr>
<td>Acute Tox. 4; H302</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Acute Tox. 4; H332</td>
<td>Calculation method</td>
</tr>
<tr>
<td>Skin Corr. 1A; H314</td>
<td>Calculation method</td>
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<tr>
<td>Eye Dam. 1; H318</td>
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<tr>
<td>Skin Sens. 1; H317</td>
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<tr>
<td>Aquatic Chronic 3; H412</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

Relevant H and EUH statements (number and full text)

- **H302**: Harmful if swallowed.
- **H302+H332**: Harmful if swallowed or if inhaled.
- **H312**: Harmful in contact with skin.
- **H314**: Causes severe skin burns and eye damage.
- **H317**: May cause an allergic skin reaction.
- **H318**: Causes serious eye damage.
- **H319**: Causes serious eye irritation.
- **H332**: Harmful if inhaled.
- **H335**: May cause respiratory irritation.
- **H411**: Toxic to aquatic life with long lasting effects.
- **H412**: Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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