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

1.1. Product identifier
Ceramic-Polymer NK C5-2 Part B

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

Use of the substance/mixture
Colour

Uses advised against
No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Ceramic Polymer GmbH
Street: Daimlerring 9
Place: DE-32289 Rödinghausen
Telephone: +49(0) 52 23 / 9 62 76-0
Telefax: +49(0) 52 23 / 9 62 76-17
e-mail: info@ceramic-polymer.de
Internet: www.ceramic-polymer.de

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:
- Flammable liquid: Flam. Liq. 3
- Acute toxicity: Acute Tox. 4
- Skin corrosion/irritation: Skin Corr. 1C
- Serious eye damage/eye irritation: Eye Dam. 1
- Respiratory or skin sensitisation: Skin Sens. 1
- Reproductive toxicity: Repr. 1B
- Specific target organ toxicity - single exposure: STOT SE 3
- Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
- Flammable liquid and vapour.
- Harmful if swallowed.
- Causes severe skin burns and eye damage.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- May damage fertility.
- May cause drowsiness or dizziness.
- Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008
Hazard components for labelling:
- 2,4,6-tris(dimethylaminomethyl)phenol
- butan-1-ol; n-butanol
- 3-aminomethyl-3,5,5-trimethylcyclohexylamine
- Bisphenol A; 4,4'-isopropylidenediphenol

Signal word: Danger
Pictograms:

Hazard statements

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H360F May damage fertility.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P405 Store locked up.
P501 Dispose of contents/container to an appropriate recycling or disposal facility.

Special labelling of certain mixtures

EUH208 Contains 3-aminomethyl-3,5,5-trimethylcyclohexylamine, Bisphenol A; 4,4’-isopropylidenediphenol, Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacat. May produce an allergic reaction.

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>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H315 H319</td>
<td>10-%&lt;15%</td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>Flam. Liq. 3, STOT SE 3; H226 H336</td>
<td>10-%&lt;15%</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315</td>
<td>10-%&lt;15%</td>
</tr>
<tr>
<td>7136-3</td>
<td>butan-1-ol; n-butanol</td>
<td>Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H332 H302 H315 H318 H335 H336</td>
<td>7-%&lt;10%</td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H332 H302 H319</td>
<td>2,5-%&lt;3%</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412</td>
<td>0,5-%&lt;1%</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
Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation
Remove casualty to fresh air and keep warm and at rest.
If unconscious place in recovery position and seek medical advice.

After contact with skin
After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.
Do not wash with: Solvents/Thinner
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.

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
Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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.

6.2. Environmental precautions
Do not allow to enter into surface water or drains. Cover drains.

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
- See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

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

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.

Hints on joint storage
Keep away from:
- Food and feedingstuffs
- Oxidising agent

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

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-98-2</td>
<td>1-Methoxypropan-2-ol</td>
<td>100</td>
<td>375</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150</td>
<td>560</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>108-65-6</td>
<td>1-Methoxypropyl acetate</td>
<td>50</td>
<td>274</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
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<tr>
<td></td>
<td></td>
<td>100</td>
<td>548</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>80-05-7</td>
<td>Bisphenol A, inhalable dust</td>
<td>-</td>
<td>10</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td>71-36-3</td>
<td>Butan-1-ol</td>
<td>50</td>
<td>154</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylene: mixed isomers</td>
<td>50</td>
<td>220</td>
<td></td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100</td>
<td>441</td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

Biological Monitoring Guidance Values (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Parameter</th>
<th>Value</th>
<th>Test material</th>
<th>Sampling time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene, o-, m-, p- or mixed isomers</td>
<td>methyl hippuric acid (creatinine)</td>
<td>650 mmol/mol</td>
<td>urine</td>
<td>Post shift</td>
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</tbody>
</table>
## 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>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, acute</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>local</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>Worker DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Worker DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
</tr>
</tbody>
</table>
# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Ceramic-Polymer NK C5-2 Part B

<table>
<thead>
<tr>
<th>Worker DNEL, acute</th>
<th>dermal</th>
<th>systemic</th>
<th>40 mg/kg bw/day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consumer DNEL, long-term</td>
<td>inhalation</td>
<td>systemic</td>
<td>5.4 mg/m³</td>
</tr>
<tr>
<td>Consumer DNEL, acute</td>
<td>inhalation</td>
<td>systemic</td>
<td>27 mg/m³</td>
</tr>
<tr>
<td>Consumer DNEL, long-term</td>
<td>dermal</td>
<td>systemic</td>
<td>4 mg/kg bw/day</td>
</tr>
<tr>
<td>Consumer DNEL, acute</td>
<td>dermal</td>
<td>systemic</td>
<td>20 mg/kg bw/day</td>
</tr>
<tr>
<td>Consumer DNEL, long-term</td>
<td>oral</td>
<td>systemic</td>
<td>4 mg/kg bw/day</td>
</tr>
<tr>
<td>Consumer DNEL, acute</td>
<td>oral</td>
<td>systemic</td>
<td>20 mg/kg bw/day</td>
</tr>
</tbody>
</table>

### 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

| Worker DNEL, long-term | inhalation | local | 0.073 mg/m³ |
| Worker DNEL, acute | inhalation | local | 0.073 mg/m³ |
| Consumer DNEL, long-term | oral | systemic | 0.526 mg/kg bw/day |

### 80-05-7 Bisphenol A; 4,4'-isopropylidenediphenol

| Worker DNEL, acute | inhalation | systemic | 2 mg/m³ |
| Worker DNEL, long-term | inhalation | local | 2 mg/m³ |
| Worker DNEL, acute | inhalation | local | 2 mg/m³ |
| Worker DNEL, long-term | dermal | systemic | 0.031 mg/kg bw/day |
| Worker DNEL, acute | dermal | systemic | 0.031 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 1 mg/m³ |
| Consumer DNEL, acute | inhalation | local | 1 mg/m³ |
| Consumer DNEL, long-term | inhalation | local | 1 mg/m³ |
| Consumer DNEL, long-term | dermal | systemic | 0.002 mg/kg bw/day |
| Consumer DNEL, acute | dermal | systemic | 0.002 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0.004 mg/kg bw/day |
| Consumer DNEL, acute | oral | systemic | 0.004 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>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>Freshwater</td>
<td>0,084 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater (intermittent releases)</td>
<td>0,84 mg/l</td>
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<td></td>
<td></td>
<td>Marine water</td>
<td>0,008 mg/l</td>
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<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>0,2 mg/l</td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol; monopropylene glycol methyl ether</td>
<td>Freshwater</td>
<td>10 mg/l</td>
</tr>
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<td>Freshwater (intermittent releases)</td>
<td>100 mg/l</td>
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<td>Marine water</td>
<td>1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>52,3 mg/kg</td>
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<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>5,2 mg/kg</td>
</tr>
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<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>100 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>4,59 mg/kg</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>Freshwater</td>
<td>0,327 mg/l</td>
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<td></td>
<td></td>
<td>Marine water</td>
<td>0,327 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>12,46 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>12,46 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>6,58 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>2,31 mg/kg</td>
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<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>Freshwater</td>
<td>0,635 mg/l</td>
</tr>
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<td>Marine water</td>
<td>0,064 mg/l</td>
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<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>3,29 mg/kg</td>
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<tr>
<td></td>
<td></td>
<td>Marine sediment</td>
<td>0,329 mg/kg</td>
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<tr>
<td></td>
<td></td>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>100 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Soil</td>
<td>0,29 mg/kg</td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>Freshwater</td>
<td>0,082 mg/l</td>
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<td>Freshwater (intermittent releases)</td>
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<td></td>
<td>Freshwater sediment</td>
<td>0,324 mg/kg</td>
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<td></td>
<td>Marine sediment</td>
<td>0,032 mg/kg</td>
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<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>2476 mg/l</td>
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<td></td>
<td>Soil</td>
<td>0,017 mg/kg</td>
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<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>Freshwater</td>
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<td>Freshwater (intermittent releases)</td>
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<td>Marine water</td>
<td>0,1 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Freshwater sediment</td>
<td>5,27 mg/kg</td>
</tr>
</tbody>
</table>
## 8.2. Exposure controls

### Appropriate engineering controls

- Provide adequate ventilation as well as local exhaustation 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.
- When using do not eat, drink, smoke, sniff.

### Eye/face protection

- goggles

### Hand protection

- Tested protective gloves must be worn: DIN EN 374
- Breakthrough times and swelling properties of the material must be taken into consideration.
- 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.
- Observe the wear time limits as specified by the manufacturer.
- Wear cotton underneath if possible.

### Skin protection

- Protective clothing

### Respiratory protection

- Usually no personal respiratory protection necessary.
- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- Combination filtering device (EN 14387) ABEK-P2
- Self-contained respirator (breathing apparatus) (DIN EN 133)

## SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>various</td>
</tr>
</tbody>
</table>

---

### Table of concentrations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine sediment</td>
<td>0.527 mg/kg</td>
</tr>
<tr>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>39 mg/l</td>
</tr>
<tr>
<td>Soil</td>
<td>0.456 mg/kg</td>
</tr>
<tr>
<td>2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td></td>
</tr>
<tr>
<td>Freshwater</td>
<td>0.06 mg/l</td>
</tr>
<tr>
<td>Freshwater (intermittent releases)</td>
<td>0.23 mg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0.006 mg/l</td>
</tr>
<tr>
<td>Freshwater sediment</td>
<td>5.784 mg/kg</td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.578 mg/kg</td>
</tr>
<tr>
<td>Micro-organisms in sewage treatment plants (STP)</td>
<td>3.18 mg/l</td>
</tr>
<tr>
<td>Soil</td>
<td>1.121 mg/kg</td>
</tr>
<tr>
<td>80-05-7 Bisphenol A; 4,4'-isopropylidenediphenol</td>
<td></td>
</tr>
<tr>
<td>Freshwater</td>
<td>0.018 mg/l</td>
</tr>
<tr>
<td>Marine water</td>
<td>0.018 mg/l</td>
</tr>
<tr>
<td>Freshwater sediment</td>
<td>1.2 mg/kg</td>
</tr>
<tr>
<td>Marine sediment</td>
<td>0.24 mg/kg</td>
</tr>
<tr>
<td>Soil</td>
<td>3.7 mg/kg</td>
</tr>
</tbody>
</table>
Odour: characteristic

pH-Value: not determined

Changes in the physical state
Melting point: not determined
Initial boiling point and boiling range: 36 °C
Sublimation point: not determined
Softening point: not determined
Pour point: not determined
Flash point: 30 °C

Flammability
Solid: not determined
Gas: not determined

Explosive properties
Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Lower explosion limits: 1,1 vol. %
Upper explosion limits: ~20 vol. %
Ignition temperature: 270 °C

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

Decomposition temperature: not determined

Oxidizing properties
Not oxidising.
Vapour pressure: 12 hPa
(at 20 °C)
Density (at 20 °C): 0,967 g/cm³
Water solubility: Immiscible

Solubility in other solvents
No information available.

Partition coefficient: not determined
Viscosity / dynamic: not determined
Vapour density: not determined
Evaporation rate: not determined
Solvent content: 41,3

9.2. Other information
Solid content: 61,8

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature.
10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials
No information available.

10.6. Hazardous decomposition products
No information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

ATEmix calculated
ATE (oral) 1944.2 mg/kg

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure route</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>oral</td>
<td>ATE 500 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>inhalation vapor</td>
<td>ATE 11 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>inhalation aerosol</td>
<td>ATE 1.5 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>dermal</td>
<td>ATE 1100 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>inhalation vapor</td>
<td>ATE 11 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>xylene</td>
<td>inhalation aerosol</td>
<td>ATE 1.5 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>oral</td>
<td>LD50 &gt;5000 mg/kg</td>
<td>Rat</td>
<td></td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>inhalation (4 h) aerosol</td>
<td>LC50 &gt;23,878 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>oral</td>
<td>ATE 500 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>inhalation vapor</td>
<td>ATE 11 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>inhalation aerosol</td>
<td>ATE 1.5 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>oral</td>
<td>LD50 1580 mg/kg</td>
<td>Mouse</td>
<td>Cosmet. Toxicol. 11, 1011-1013 (1973) (1</td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>inhalation vapor</td>
<td>ATE 11 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>inhalation (4 h) aerosol</td>
<td>LC50 &gt;4,178 mg/l</td>
<td>Rat</td>
<td>ECHA</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>oral</td>
<td>LD50 1030 mg/kg</td>
<td>Rat</td>
<td>Study report (1965)</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>dermal</td>
<td>ATE 1100 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Causes severe skin burns and eye damage.

Sensitising effects
Contains 3-aminomethyl-3,5,5-trimethylcyclohexylamine, Bisphenol A; 4,4’-isopropylidenediphenol, Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacat. May produce an allergic reaction. May cause an allergic skin reaction. (3-aminomethyl-3,5,5-trimethylcyclohexylamine; Bisphenol A; 4,4’-isopropylidenediphenol; Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacat)

Carcinogenic/mutagenic/toxic effects for reproduction
- May damage fertility. (Bisphenol A; 4,4’-isopropylidenediphenol)
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: 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.

SECTION 12: Ecological information

12.1. Toxicity
### 12.2. Persistence and degradability

No information available.
12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-72-2</td>
<td>2,4,6-tris(dimethylaminomethyl)phenol</td>
<td>&gt;= 0,219</td>
</tr>
<tr>
<td>107-98-2</td>
<td>1-methoxy-2-propanol: monopropylene glycol methyl ether</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>108-65-6</td>
<td>2-methoxy-1-methylethyl acetate</td>
<td>0,43</td>
</tr>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>10</td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>1</td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>0,99</td>
</tr>
<tr>
<td>80-05-7</td>
<td>Bisphenol A; 4,4'-isopropylidenediphenol</td>
<td>3,32</td>
</tr>
</tbody>
</table>

BCF

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>BCF</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>71-36-3</td>
<td>butan-1-ol; n-butanol</td>
<td>3,16</td>
<td>QSAR (2017)</td>
<td></td>
</tr>
<tr>
<td>100-51-6</td>
<td>benzyl alcohol</td>
<td>1,371</td>
<td>QSAR model</td>
<td><a href="http://epa.gov/oppt/">http://epa.gov/oppt/</a></td>
</tr>
<tr>
<td>2855-13-2</td>
<td>3-aminomethyl-3,5,5-trimethylcyclohexylamine</td>
<td>3,16</td>
<td>QSAR estimate</td>
<td>Other company data (</td>
</tr>
</tbody>
</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

Advice on disposal

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 1263

14.2. UN proper shipping name:

Paint

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3
Safety Data Sheet

Ceramic-Polymer NK C5-2 Part B

Classification code: F1
Special Provisions: 163 367 650
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Limitations and exceptions (land transport)
Exemption: ADR/RID 2.2.3.1.5.1 (<450l)

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.

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

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): 41,3
2004/42/EC (VOC): 41,3

National regulatory information
Employment restrictions:
Observe restrictions to employment for juvenilis 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:
2,4,6-tris(dimethylaminomethyl)phenol
1-methoxy-2-propanol; monopropylene glycol methyl ether
Ceramic-Polymer NK C5-2 Part B

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according to Regulation (EC) No 1907/2006

xylene
2-methoxy-1-methylethyl acetate
butan-1-ol; n-butanol
benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamine
Bisphenol A; 4,4'-isopropylidenediphenol

SECTION 16: Other information

xylene
2-methoxy-1-methylethyl acetate
butan-1-ol; n-butanol
benzyl alcohol
3-aminomethyl-3,5,5-trimethylcyclohexylamine
Bisphenol A; 4,4'-isopropylidenediphenol

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)
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: Effective concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
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.
H336 May cause drowsiness or dizziness.
H360F May damage fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains 3-aminomethyl-3,5,5-trimethylcyclohexylamine, Bisphenol A; 4,4'-isopropylidenediphenol, Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacat. May produce an allergic reaction.

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.)