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

1.1 Product identifier
COSMO EP-205.120
(COSMOFEN AL 1630 Härter)

1.2 Relevant identified uses of the substance or mixture and uses avoided against

Relevant identified uses of the substance or mixture: Adhesive
Sector of use (SUG) SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Uses avoided against: No information available at present.

1.3 Details of the supplier of the safety data sheet
Weiss Chemie + Technik GmbH & Co.KG, Hansastrasse 2, 35708 Haiger, Germany
Phone: +49(0)2773/815-0, Fax: --
msds@weiss-chemie.de, www.weiss-chemie.de
Qualified person’s e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number
Emergency information services / official advisory body:
Telephone number of the company in case of emergencies: +49 (0) 760 / 24 112 112 (WIC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 (CLP)
Hazard class Hazard category Hazard statement
Skin Corr. 1B H314-Causes severe skin burns and eye damage.
Skin Sens. 1 H317-May cause an allergic skin reaction.
Repr. 2 H361f-Suspected of damaging fertility.
Aq. 3 H412-Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 (CLP)

SECTION 3: Composition/information on ingredients

1.4 Emergency telephone number
Telephone number of the company in case of emergencies: +49 (0) 760 / 24 112 112 (WIC)

SECTION 4: First aid measures

4.1 Description of first aid measures
Never pour anything into the mouth of an unconscious person!
Medical supervision necessary due to possibility of delayed reaction.
Inhalation
Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.
If the person is unconscious, place in a stable side position and consult a doctor.

Skin contact
Remove exposed, uncoated clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Cauterisation not treated lead to wounds difficult to heal.

Eye contact
Remove contact lenses.
Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

Ingestion
Rinse the mouth thoroughly with water.
Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed
If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.
The following may occur:

SECTION 5: Fire fighting

5.1 Extinguishingmedia

5.2 Special hazards of the fire-fighting

SECTION 6: Accidental release measures

6.1 Personal protective equipment

6.2 Environmental measures

6.3 Disposal considerations

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.2 Precautions for safe storage

7.3 Specific end use

SECTION 8: Exposure controls/Personal protective equipment

8.1 Control parameters

8.2 Exposure limits

SECTION 9: Physical and chemical properties

9.1 Information on further processing

9.2 Stability

9.3 Reactivity

SECTION 10: Stability and reactivity

10.1 Reactivity and stability

10.2 Incompatibility

SECTION 11: Toxicological information

11.1 Information on hazards

11.2 Acute hazards

11.3 Chronic hazards

SECTION 12: Ecological information

12.1 Information on hazards

12.2 Ecotoxicological data

SECTION 13: Disposal considerations

13.1 Waste treatment

13.2 Transport information

13.3 Regulatory information

13.4 Label elements

13.5 Classification according to Regulation (EC) 1272/2008 (CLP)

SECTION 14: Other information

14.1 Additional information

14.2 Historical information

For the text of the H-phrases and classification codes (GHSh/CLP), see Section 16.
The substances named in this section are given with their actual, appropriate classification!
For substances that are listed in appendix VI, table 3.10.3.2 of the regulation (EC) no. 1272/2008 (CLP) regulation this means that all notes that may be given here for the named classification have been taken into account.
5.1 Extinguishing media
Suitable extinguishing media
Water jet spray/flood/CO2 dry extinguisher

Unsuitable extinguishing media
High volume water jet

5.2 Special hazards arising from the substance or mixture
In case of fire the following can develop:
- Oxides of carbon
- Oxides of nitrogen
- Toxic gases

5.3 Advice for firefighters
In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire
Full protection, if necessary. Dispose of contaminated extinguant water according to official regulations.

6.1 Personal precautions, protective equipment and emergency procedures
Keep non-essential personnel away. Ensure sufficient supply of air. Avoid inhalation, and contact with eyes or skin. If applicable, caution - risk of slipping.

6.2 Environmental precautions
If leakage occurs, clean up. Receive leaks if this possible without risk. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up
Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth, sawdust) and dispose of according to Section 13. Neutralisation is possible (only from a specialist).

6.4 Reference to other sections
For personal protective equipment see Section 8 and for disposal instructions see Section 13.

7.1.2 Notes on general hygienic measures at the workplace
General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities
Keep out of access to unauthorised individuals. Not to be stored in garages or stair wells. Store product closed and only in original packaging. Store in a dry place. Unsuitable container: Aluminium

7.3 Specific end use(s)
Adhesive

8.1 Control parameters

8.2 Monitoring procedures
- None

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.
**8.1 Exposure controls**

**8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEI or ADW values, suitable breathing protection should be worn.

Apply only if maximum permissible exposure values are listed here. Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

**8.2 Individual protection measures, such as personal protective equipment**

General hygiene measures for the handling of chemicals are applicable. Shave hands before breaks and at end of work. Keep away from food, drinks and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Tight-fitting protective goggles with side protection (EN 166).

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state:** Paste-like, Liquid

**Colour:** Grey

**Odour:** Characteristic

**pH-value:** Not determined

**Melt point/freezing point:** Not determined

**Initial boiling point and boiling range:** Not determined

**Flammable (solid, gas):** Not determined

**Upper explosive limit:** Not determined

**Vapour pressure:** Not determined

**Vapour density (air = 1):** Not determined

**Density:** Not determined

**Bulk density:** n.a.

**Flammability (solid, gas):** Flammable

**Water solubility:** Insoluble

**Partition coefficient (n-octanol/water):** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** 25000-31000 mPa.s

**Explosive properties:** Product is not explosive.

**Oxidising properties:** No

**9.2 Other information**

**Miscibility:** Not determined

**Fat solubility / solvent:** Not determined

**Conductivity:** Not determined

**Surface tension:** Not determined

**Solvents content:** Not determined

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Product corrodes metals.

**10.2 Chemical stability**

Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**

No dangerous reactions are known.

**10.4 Conditions to avoid**

Strong heat.

**10.5 Incompatible materials**

Avoid contact with strong acids.

**10.6 Hazardous decomposition products**

No decomposition when used as directed.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Possibly more information on health effects, see Section 2.1 (classification).
### Toxicity / effect

#### Phenant, methylbenzene

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>14.92</td>
<td>mg/m³</td>
<td>Rat</td>
<td>OECD 401 (Acute Inhalation Toxicity)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Rabbit</td>
<td>Yes</td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corrosive:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Oral toxicity - repeated exposure (STOT-RE):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
</tbody>
</table>

#### 3-Aminomethyl-3,5,5-trimethylcyclohexylamine

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>1030</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>1840</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>75.1</td>
<td>mg/m³</td>
<td>Rat</td>
<td>OECD 401 (Acute Inhalation Toxicity)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Rabbit</td>
<td>Corrosive</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
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</tr>
<tr>
<td>Respiratory or skin irritation:</td>
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<td></td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Reproductive toxicity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Prenatal Developmental Toxicity Study)</td>
</tr>
<tr>
<td>Symptoms:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Respiratory distress, burning of the membranes of the nose and throat, coughing, mucous membrane irritation</td>
<td></td>
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</tr>
</tbody>
</table>

#### Trimethylhexamethyleneimines

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>4.176</td>
<td>mg/m³</td>
<td>Rat</td>
<td>OECD 401 (Acute Inhalation Toxicity)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Rabbit</td>
<td>Yes</td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
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<tr>
<td>Respiratory or skin irritation:</td>
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<tr>
<td>Sensitivity:</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Reproductive toxicity - repeated exposure (STOT-RE):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
</tbody>
</table>

#### Amine, polyethyleneoxy-, triethyleneaminie fraction

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>716</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>1480</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Sensitivity:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity - repeated exposure (STOT-RE):</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OECD 406 (Skin Sensitisation)</td>
</tr>
</tbody>
</table>

#### 2-Heptanone

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
</tbody>
</table>

#### Calcium carbonate

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LD50</td>
<td>&gt; 2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 401 (Acute Oral Toxicity)</td>
</tr>
</tbody>
</table>
**SECTION 12: Ecological information**

### Toxicity / effect

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to daphnia</td>
<td>LC50</td>
<td>48h</td>
<td>14 mg/l</td>
<td>Daphnia magna</td>
<td>OECD 304 (Fish, Acute Toxicity Test)</td>
<td>Not readily biodegradable</td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to algae</td>
<td>EC50</td>
<td>21d</td>
<td>4.3 mg/l</td>
<td>Chlorella pyrenoidosa</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>Not readily biodegradable</td>
<td></td>
</tr>
</tbody>
</table>

### Toxicity to microorganisms

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish</td>
<td>LC50</td>
<td>96h</td>
<td>51 mg/l</td>
<td>Daphnia magna</td>
<td>OECD 304 (Fish, Acute Toxicity Test)</td>
<td>Not readily biodegradable</td>
<td></td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia</td>
<td>EC50</td>
<td>21d</td>
<td>4.3 mg/l</td>
<td>Chlorella pyrenoidosa</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>Not readily biodegradable</td>
<td></td>
</tr>
</tbody>
</table>

### Persistence and degradability

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2. Persistence and degradability</td>
<td></td>
<td></td>
<td>25</td>
<td>%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test</td>
<td>EC50</td>
<td>OEL</td>
<td>EC50</td>
<td>OEL</td>
<td>EC50</td>
<td>OEL</td>
<td>Notes</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>-----</td>
<td>------</td>
<td>-----</td>
<td>------</td>
<td>-----</td>
<td>-------</td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
<td>51</td>
<td>--</td>
<td>770</td>
<td>--</td>
<td>14 mg/l Daphnia magna</td>
<td>--</td>
<td>No OEL defined.</td>
</tr>
<tr>
<td>12.1. Toxicity to algae:</td>
<td>72h</td>
<td>21d</td>
<td>30</td>
<td>10</td>
<td>14 mg/l Daphnia magna</td>
<td>--</td>
<td>No OEL defined.</td>
</tr>
<tr>
<td>12.1. Toxicity to Daphnia:</td>
<td>NOEC</td>
<td>72h</td>
<td>14 mg/l Daphnia magna</td>
<td>--</td>
<td>No OEL defined.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.2. Persistence and degradability:</td>
<td>21d</td>
<td>96-97</td>
<td>%</td>
<td>--</td>
<td>Reality biodegradable</td>
<td>--</td>
<td>Not relevant for long-term ecological effects.</td>
</tr>
<tr>
<td>12.3. Bioaccumulative potential:</td>
<td>--</td>
<td>0.1</td>
<td>gdw</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>12.4. Mobility in soil:</td>
<td>--</td>
<td>0</td>
<td>0</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>12.5. Results of PBT and vPvB assessment</td>
<td>--</td>
<td>0</td>
<td>0</td>
<td>--</td>
<td>No PBT substance</td>
<td>--</td>
<td>No vPvB substance</td>
</tr>
</tbody>
</table>

---

**Toxicity to daphnia:**

- **EC50:** 51 mg/l
- **OEL:** 770 mg/l
- **Test method:** Daphnia magna Reproduction Test
- **Organism:** Daphnia magna

**Toxicity to algae:**

- **EC50:** 72h 30 mg/l
- **OEL:** 14 mg/l
- **Test method:** Algae, Growth Inhibition Test
- **Organism:** Daphnia magna

**Toxicity to daphnia:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** (Fish, Acute toxicity Test)
- **Organism:** Daphnia magna

**Toxicity to algae:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** (Fish, Acute toxicity Test)
- **Organism:** Daphnia magna

**Toxicity to bacteria:**

- **EC50:** 72h 10 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Toxicity to bacteria:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Toxicity to fish:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Calcium carbonate:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Toxicity to bacteria:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Toxicity to fish:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

---

**Toxicity to algae:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna

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**Toxicity to daphnia:**

- **EC50:** 72h 3 mg/l
- **OEL:** 14 mg/l
- **Test method:** Alkaline Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)
- **Organism:** Daphnia magna
### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**For the substance / mixture / residual amounts**

- EC disposal code no: 
- The waste codes are recommendations based on the scheduled use of this product. 

Depending on the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. ([2014/955/EU]

- 00 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances
- 20 01 27 paint, risks, adhesives and resins containing hazardous substances

**Recommendations:**

- Sewage disposal shall be discouraged.
- Pay attention to local and national official regulations.
- E.g. suitable incineration plant.
- E.g. dispose at suitable refuse site.

**For contaminated packing material**

- Pay attention to local and national official regulations.
- Empty container completely.
- Uncontaminated packing can be recycled.
- Dispose of packaging that cannot be cleaned in the same manner as the substance.

#### 14. Transport information

**General statements**

14.1 UN number: 2735

14.2 UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (M-PHENYLENEDIAMINE) (PHENYLENEBIS(METHYLAMINE), ISOPHORONEDIAMINE)

14.3 Transport hazard class(es): 8

14.4 Packing group: III

14.5. Environmental hazards: Not applicable

**Transport by sea (IMDG-code)**

14.6 Special precautions for use

Persons employed in transporting dangerous goods must be trained.

- All persons involved in transporting must observe safety regulations.
- Precautions must be taken to prevent damage.

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

- Packaged goods rather than in bulk, therefore not applicable.
- Precautions must be taken to prevent damage.

### SECTION 15: Regulatory information

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

**Observe restrictions:**

- Comply with trade association/institutional occupational health regulations.
- Directive 2010/75/EU (VOC)
- Directive 2010/75/EU (VOC)
- Directive 2010/75/EU (VOC)

- Observe youth employment law (German regulation).
- Observe law on protection of expectant mothers (German regulation).

#### 15.2 Chemical safety assessment

**A chemical safety assessment is not provided for mixtures.**

### SECTION 16: Other information

#### Revised sections:

- 5, 14
- These details refer to the product as it is delivered.
- Employee instruction/training in handling hazardous materials is required.
- Employee training in handling dangerous goods is required.

**Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

<table>
<thead>
<tr>
<th>Classification in accordance with (EC) No. 1272/2008 (CLP)</th>
<th>Evaluation method used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1B, H314</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>Skin Sens. 1, H37</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>Reprt. 2, H361f</td>
<td>Classification according to calculation procedure.</td>
</tr>
<tr>
<td>Aquatic Chronic 3, H412</td>
<td>Classification according to calculation procedure.</td>
</tr>
</tbody>
</table>

#### The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3),

- H318 Causes serious skin damage.
- H315 Causes skin irritation.
- H314 Causes severe eye irritation.
- H312 Harsh/irritating to the skin.
- H311 Toxic if inhaled.
- H331 Toxic if inhaled.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harsh/irritating to aquatic life with long lasting effects.

**Any abbreviations and acronyms used in this document:**

- AC Article Categories
- acc. to according to
- ACHT American Conference of Governmental Industrial Hygienists
- ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADR Acceptable Operator Exposure Level
- AOX Adsorbable organic halogen compounds
- approx. approximately
- Art. Article number
- ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
- BAAh Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
- BCF Bioconcentration factor
- BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
- BHT Butylphenyl-toluol (2-6-Di-t-butyl-4-methyl-phenol)
- BMVv Biological monitoring guideline value (SH/SH, UK)
- BOO Biochemical oxygen demand
- BSEF Bromine Science and Environmental Forum
- b.w. body weight
- CbA Chemical Abstracts Service
- CECC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
- CESIO Comité Européens des Agents de Surface et de leurs Intermédaires Organiques
- CEN-Cooperative International Pesticides Analytical Council
- CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
- CMR Carcinogenic, mutagenic, reproductive toxic
- COD Chemical oxygen demand
- CTPA Cosmetic, Toilery, and Fragrance Association
- DML Derived Minimum Effect Level
- DNEV Defined No Effect Level
- DOC Dissolved organic carbon
- DT50 Dwell Time - 50% reduction of start concentration
- DVs Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Wielding and Allied Processes)
- dw dry weight
- e.g. for example (abbreviation of Latin 'Exempli gratia'), for instance
- EC European Community
- ECE European Economic Community
- EEA European Economic Area
- ECL European Chemicals Regulation
- ECE European Economic Community
- EINECS European Inventory of Existing Commercial Chemical Substances
- ELINCS European List of Notified Chemical Substances
- EN European Norms
- EPA United States Environmental Protection Agency (United States of America)
- ERM Environmental Release Categories
- ES Exposure scenario
- etc. et cetera
- EU European Union
- EWC European Waste Catalogue
- Fax. Fax number
- gen. general
- GHS Globale Harmonisierte System von Classification und Labelling of Chemicals
- GWL Global warming potential
- HET-CAM Harris' Egg Test – Chorionallantoic Membrane
- HSWP Halocarbon Global Warming Potential
- IARC International Agency for Research on Cancer
- IATA International Air Transport Association
- IBC Intermediate Bulk Container
- IBC (Code) International Bulk Chemical (Code)
- IC Inhibitory concentration
- IMDG-code International Maritime Code for Dangerous Goods
- IUCLID International Uniform Chemical, Information Database
- LC Lethal Concentration
- LCL Lowest Lethal Concentration
- LD Lethal Dose of a chemical
- LCL Lethal Dose, 50% kill
- LDL Lethal Dose Low
- LOAEL Lowest Observed Adverse Effect Level
- LOAEL Lowest Observed Adverse Effect Level
- LOEL Lowest Observed Effect Level
- LQU Limited Quatities
- MARPOL International Convention for the Prevention of Marine Pollution from Ships
- n.a. not applicable
- n.a. not available
- n.c. not checked
- n.o.a. not available
- NIOSH National Institute of Occupational Safety and Health (United States of America)
- NOAEL No Observed Adverse Effect Level
- NOEC No Observed Effect Concentration
The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

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