1.1 Product identifier

COSMO EP-201.110

(COSMOFEN AL Komp. B-Binder)

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

Relevant identified uses of the substance or mixture:

Adhesive

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Uses advised 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

Telephone: +49 (5) 2773 / 815-0

mts@weiss-chemie.de

www.weiss-chemie.de

Qualified person’s e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de

NOT use for requesting Safety Data Sheets.

msds@weiss-chemie.de

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (5) 700 / 24 112 112 (WIC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

<table>
<thead>
<tr>
<th>Hazard class</th>
<th>Hazard category</th>
<th>Hazard statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit. 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)

![Warning]

H319-Causes serious eye irritation. H315-Causes skin irritation. H317-May cause an allergic skin reaction. H411-Toxic to aquatic life with long lasting effects.


Bisphenol F epoxy resin

Bi-04 (2.3-epoxypropyloxyphenyl)glypane

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (≤ 0.1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (≤ 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

- 1 a.

3.2 Mixture

Bisphenol F epoxy resin

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected.

Never pour anything into the mouth of an unconscious person.

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

In case of fire the following can develop:

Oxides of carbon

Hydrogen chloride

Toxic gases

5.3 Advice for firefighters

Toxic fumes

In case of fire or explosion do not breathe fumes.

Protective respirator with independent air supply.

Accordind to size of fire

Full protection, if necessary.

Disperse of contaminated extinction water according to official regulations.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water as spray foam/CO2/poly 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

Hydrogen chloride

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.

Disperse of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution – risk of skiing.

6.2 Environmental precautions

If leakage occurs, damp up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

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.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Avoid contact with eyes or skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene 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 feedstuffs.

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 gangways or stair wells.

Store product closed and only in original packing.

Do not store with oxidizing agents.

Under all circumstances prevent penetration into the soil.  

---
8.1 Control parameters

### 8.1.1 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 WEL or ADW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include mathematical and non-mathematical investigative techniques.

These are specified by e.g. BS EN 14042. BS EN 14042 "Workplace atmospheres. Guide for the use and application of procedures for the assessment of exposure to chemical and biological agents".

### 8.1.2 Individual protection measures, such as personal protective equipment

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 feedstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 8.2 Exposure controls

#### 8.2.1 Skin protection - Hand protection

Chemical resistant protective gloves (EN 374). Recommended.

Safety gloves made of fluorocarbon rubber (EN 374).

Protective nitrile gloves (EN 374).

Minimum layer thickness in mm: ≥ 0.5

Permeation time (penetration time) in minutes: ≈ 240

The breakthrough times determined in accordance with EN 16623-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Protective hand cream recommended.

### 8.2.2 Respiratory protection

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If air supply is not sufficient, wear protective breathing apparatus.

Filter A P2 (EN 14387), colour: black, white.

Observe wearing time limitations for respiratory protection equipment.

### 8.2.3 Thermal hazards

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials of derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation rates into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakdown time of the glove material can be requested from the protective glove manufacturer and must be tested.

### 8.3 Environmental exposure controls

No information available at present.

### 9.1 Information on basic physical and chemical properties

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

**Colour:** White

**Odour:** Characteristic

**Odour threshold:** Not determined

**pH-value:** Not determined

**Melting point/freezing point:** Not determined

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

**Flash point:** Not determined

**Evaporation rate:** n.a.

**Flammability (solid, gas):** n.a.

**Lower explosive limit:** Not determined

**Upper explosive limit:** Not determined

**Vapour pressure:** Not determined

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

**Dew point:** ~1.47 °C (20°C)

**Bulk density:** n.a.

**Solubility:** Not determined

**Water solubility:** Not determined

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

**Auto-ignition temperature:** Not determined

**Decomposition temperature:** Not determined

**Viscosity:** Not determined

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

**Oxidising properties:** No

### 9.2 Other information

**Masculation:** Not determined

**Fat solubility / solvent:** Not determined

**Conductivity:** Not determined

**Surface tension:** Not determined

**Solvent content:** Not determined
### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

The product has not been tested.

#### 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

See also section 7.

- Strong heat
- Avoid contact with strong oxidizing agents.
- Avoid contact with strong alkalis.
- Avoid contact with strong acids.

#### 10.5 Incompatible materials

See also section 7.

- No dangerous reactions are known.

#### 10.6 Hazardous decomposition products

See also section 5.2.

- No decomposition when used as directed.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Possibility more information on health effects, see Section 2.1 (classification).

### COSMO EP-201.110

(COSMOfen AL Komp. B-Binder)

#### Toxicity / effect

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, by oral route:</td>
<td>LC50</td>
<td>17400</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 406 (Acute Dermal Toxicity)</td>
<td>Negative</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rabbit</td>
<td>OECD 408 (Acute Oral Toxicity)</td>
<td>Negative</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Specific target organ toxicity - repeated exposure (STOT-RE), dermal:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;500</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 415 (Two-generation Reproduction Toxicity Study)</td>
<td>Negative</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 416 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)</td>
<td>Negative</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 417 (Combined Chronic Toxicity/Carcinogenicity Studies)</td>
<td>Negative</td>
</tr>
</tbody>
</table>

### Bis(4-(2,3-epoxypropoxy)phenyl)propane

#### Toxicity / effect

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</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 402 (Acute Dermal Toxicity)</td>
<td>Negative</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 404 (Acute Inhalation-Toxicity)</td>
<td>Negative</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation:</td>
<td>LC50</td>
<td>&gt;500</td>
<td>mg/l</td>
<td>Rat</td>
<td>OECD 405 (Combined Chronic Toxicity/Carcinogenicity Studies)</td>
<td>Negative</td>
</tr>
<tr>
<td>Carcinogenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive toxicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Specific target organ toxicity - repeated exposure (STOT-RE), dermal:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
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<tbody>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 415 (Two-generation Reproduction Toxicity Study)</td>
<td>Negative</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 416 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)</td>
<td>Negative</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure (STOT-RE), dermal:</td>
<td>LD50</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>OECD 417 (Combined Chronic Toxicity/Carcinogenicity Studies)</td>
<td>Negative</td>
</tr>
</tbody>
</table>

#### Mutagenicity:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mutagenicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Reproductive toxicity:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reproductive toxicity:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sensitisation:

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitisation:</td>
<td>n.d.a.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Inhalation hazard

- Yes

### Skin sensitisation

- Positive

### Respiratory or skin sensitisation

- Negative

### Classification and labelling

- Toxicity / effect: skin sensitisation:
  - Classification: Category 1B (Mammalian skin sensitisation - Local Lymph Node Assay)

### Calcium carbonate

#### Toxicity / effect

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Test method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity / effect: skin sensitisation:</td>
<td>OECD 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells In Vitro)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Notes

- Positive

### Symptom:

- Irritating contact:
  - Symptoms: burning, difficulties coughing, gasmiform gas disturbances
SECTION 12: Ecological information

Possibility more information on environmental effects, see Section 2.1 (classification).

### Ecological endpoints

#### EFFECTS ON SPECIES

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Species</th>
<th>Test Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1.1. Toxicity to fish:</td>
<td>96h</td>
<td>Daphnia magna</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.1.5. Persistence and degradability:</td>
<td>21d</td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.1.6. Results of PBT and vPvB assessment:</td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.1.7. Other adverse effects:</td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>

### BIOLOGICAL MATERIALS

#### EFFECTS ON SPECIES

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Species</th>
<th>Test Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2.1. Toxicity to fish:</td>
<td>96h</td>
<td>Leucosara capricornutum</td>
<td>OECD 203 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.2.2. Toxicity to fish:</td>
<td>96h</td>
<td>Leucosara capricornutum</td>
<td>OECD 203 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.2.4. Mobility in soil:</td>
<td></td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.2.5. Persistence and degradability:</td>
<td>28d</td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>

### BIOCHEMICAL DATABASE

#### EFFECTS ON SPECIES

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Organism</th>
<th>Test Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.3.1. Toxicity to fish:</td>
<td>96h</td>
<td>Daphnia magna</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
<tr>
<td>12.3.2. Persistence and degradability:</td>
<td>28d</td>
<td></td>
<td></td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>

### CHEMICAL DATABASE

#### EFFECTS ON SPECIES

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Organism</th>
<th>Test Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.4.1. Toxicity to fish:</td>
<td>96h</td>
<td>Daphnia magna</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>

### BIOPHILIC RESIN

#### EFFECTS ON SPECIES

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Time</th>
<th>Organism</th>
<th>Test Method</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5.1. Toxicity to fish:</td>
<td>96h</td>
<td>Daphnia magna</td>
<td>OECD 202 (Fish, Acute Toxicity Test)</td>
<td>n.d.a.</td>
</tr>
</tbody>
</table>

### ADDITIONAL INFORMATION

- Observations with saturated solution of test material.
### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

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

<table>
<thead>
<tr>
<th>EC number</th>
<th>Substance</th>
<th>Classification</th>
<th>Notes to Annex I of Directive 2012/18/EU (VOC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>141.1</td>
<td>UN number</td>
<td>3092</td>
<td></td>
</tr>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Environmentally hazardous substance, liquid, N.O.S. (EPOXY RESIN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.4. Packing group:</td>
<td>III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.5. Environmental hazards:</td>
<td>environmentally hazardous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.6. Transport by air (IATA):</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code</td>
<td>Freighted as packaged goods rather than in bulk, therefore not applicable.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Transport by road (ADR/RID), rail (RID)**

- **UN number:** 3082
- **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
- **Transport hazard class(es):** 9
- **Packing group:** III
- **Environmental hazards:** environmentally hazardous

**Transport by sea (IMDG-code):**
- **UN number:** 3082
- **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
- **Transport hazard class(es):** 9
- **Packing group:** III
- **Environmental hazards:** environmentally hazardous

**For contaminated packing material**

- Pay attention to local and national official regulations. Paying disposal fees is mandatory.
- Dispose of packaging properly in a suitable manner as the substance.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations

**Directive 2012/18/EU (Seveso III), Annex I, Part 1**

- The following categories apply to this product (others may also need to be considered according to storage, handling etc.):
  - Substances and mixtures as referred to in Article 3(10) for the application of - Lower-tier requirements
  - Substances and mixtures as referred to in Article 3(10) for the application of - Upper-tier requirements

**Example:**

- **Substances as referred to in Article 3(10):**
  - 08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances

**Hazard categories and qualifying quantities**

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Qualifying quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLASS 3</td>
<td>50 kg</td>
</tr>
<tr>
<td>CLASS 5</td>
<td>1000 kg</td>
</tr>
<tr>
<td>CLASS 6</td>
<td>10000 kg</td>
</tr>
</tbody>
</table>

**Note to Annex I of Directive 2012/18/EU:** Depend on the specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

**Notes to Annex I of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities:**

- Owing to the user’s specific conditions for use and disposal, the following waste codes may be allocated under certain circumstances.

### SECTION 16: Other information

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

- **Classification according to calculation procedure:**
  - Skin Irrit. 2, H315
  - Skin Sens. 1, H317
  - Aquatic Chronic 2, H411

**Evaluation method used:**

- Classification according to calculation procedure.
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).

- **H315**: Causes skin irritation.
- **H317**: May cause an allergic skin reaction.
- **H319**: Causes serious eye irritation.
- **H411**: Toxic to aquatic life with long lasting effects.

**Eye Irrit. — Eye irritation**
**Skin Irrit. — Skin irritation**
**Skin Sens. — Skin sensitization**
**Aquatic Chronic — Hazardous to the aquatic environment - chronic**

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

- acc., acc. to according to
- ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADX: Adsorbable organic halogen compounds
- approx.: approximately
- Art., Art. no: Article number
- BAM: Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
- Baul: Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
- BSEF: The International Bromine Council
- bw: body weight
- CAS: Chemical Abstracts Service
- CLP: Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures)
- CMR: Carcinogenic, mutagenic, reproductive toxic
- DWEL: Derived Minimum Effect Level
- DNEL: Derived No Effect Level
- dw: dry weight
- e.g.: for example (abbreviation of Latin 'exempli gratia'), for instance
- EC: European Community
- ECHA: European Chemicals Agency
- EEC: 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)
- etc.: et cetera
- EU: European Union
- EVAL: Ethylene-vinyl alcohol copolymer
- Fax.: Fax number
- gen.: general
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- GWP: Global warming potential
- IARC: International Agency for Research on Cancer
- IATA: International Air Transport Association
- IBC (Code): International Bulk Chemical (Code)
- IMDG-code: International Maritime Code for Dangerous Goods
- incl.: including, inclusive
- IUCLID: International Uniform Chemical Information Database
- IQ: Limited Quantities
- MARPOL: International Convention for the Prevention of Marine Pollution from Ships
- m.a.: not applicable
- m.w.: not available
- n.c.: not checked
- n.d.: no data available
- OECD: Organisation for Economic Co-operation and Development
- org.: organic
- PBT: Persistent, bioaccumulative and toxic
- PE: Polyethylene
- PNEC: Predicted No Effect Concentration
- ppm: parts per million
- PVC: Polyvinylchloride
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
- RID: Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
- SVHC: Substances of Very High Concern
- Tel.: Telephone
- UN: United Nations
- VOC: Volatile organic compounds
- vPvB: Very persistent and very bioaccumulative
- w/w: weight/weight

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.

These statements were made by:

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