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

**1.1 Product identifier**

COSMOFEN EP-201.120

**COSMOFEN AL 1630 Binder**

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

Relevant identified uses of the substance or mixture:
- **Adhesive**
- **Sector of use:** [SU]
- **SU2: 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**

Waiss Chemie + Technik GmbH & Co.KG, Hansastraße 2, 35708 Haiger, Germany

Phone: +49(0)6773/815-0, Fax: ---

Tel: +49 (0) 700 / 24 112 112 (WIC)

Emergency information services / official advisory body:

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) 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.</td>
<td>2</td>
<td>H319-Causes serious eye irritation.</td>
</tr>
<tr>
<td>Skin Irrit.</td>
<td>2</td>
<td>H315-Causes skin irritation.</td>
</tr>
<tr>
<td>Skin Sens.</td>
<td>1</td>
<td>H317-May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Aquatic Chronic</td>
<td>2</td>
<td>H411-Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

**2.2 Label elements**

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

### SECTION 3: Composition/information on ingredients

**3.1 Substance**

n. a.

**3.2 Mixture**

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

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**

Never pour anything into the mouth of an unconscious person!

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, caution - risk of slipping.

**4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

Suitable extinguishing media

Water jet spray/fog/normal 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:

- Clouds of carbon
- Hydrogen chloride
- Toxic gases

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Protect yourself with independent air supply. According to size of fire Full protection, if necessary. Dispose 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 slipping.

**6.2 Environmental precautions**

If leakage occurs, dem. up.

Resolve leaks if this possible without risk.

Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration. 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.

For the text of the H-phrases and classification codes (CHS/CLP), see Section 16.

### SECTION 7: Handling and storage

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

**7.1 Precautions for safe handling**

**7.1.1 General recommendations**

Ensure ventilation.

Keep away from sources of ignition - Do not smoke.

Avoid contact with eyes or skin.

7.1.2 Special protective and preventive measures.

7.1.3 Other protective equipment.

For personal protective equipment see Section 8 and for disposal instructions see Section 13.
### 1.8 Exposure/2. Exposure pathway

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Description</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human / employees</td>
<td>Human - inhalation</td>
<td>Short term, systemic effects</td>
<td>DNEL</td>
<td>0.75</td>
<td>mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human - dermal</td>
<td>Short term, systemic effects</td>
<td>UNEL</td>
<td>8.83</td>
<td>mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human - oral</td>
<td>Short term, systemic effects</td>
<td>UNEL</td>
<td>14.7</td>
<td>mg/l</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Human - dermal</td>
<td>Short term, systemic effects</td>
<td>UNEL</td>
<td>14.3</td>
<td>mg/l</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Calcium carbonate

- **Environmental parameters**
  - **Chemical Name**: Calcium carbonate
  - **CAS No.**: 1332-74-4
  - **Content %**: 100

### 7.2 Conditions for safe storage, including any incompatibilities

- Keep out of reach of unattended individuals.
- Not to be stored in gangways or stair wells.
- Store product closed and only in original packaging.
- Do not store with oxidising agents.
- Under all circumstances prevent penetration into the soil.
- Store in a dry place.

### 7.3 Specific end use(s)

#### Adhesive

- **Application**: Food contact, medical devices, general maintenance, consumer goods
- **Use**: Bonding, sealing, lubrication, printing, coating, painting

### 8. Control parameters

#### 8.1 Chemical parameters

- **CAS No.**: 1332-74-4
- **Molecular Weight**: 100.08
- **Density**: 1.55 g/cm³
- **Boiling Point**: 1200 °C
- **Melting Point**: 852 °C

### 8.2 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 WEL or AWL values, suitable breathing protection should be worn.
- Applies only if maximum permissible exposure values are listed here.

#### 8.2.2 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 feedingsuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 8.3 Personal protective equipment

- **Eye protection**: Tight fitting protective goggles with side protection (EN 166).
- **Skin protection**:
  - Hand protection: Chemical resistant protective gloves (EN 374).
  - Foot protection: Chemical resistant protective footwear.
- **Respiratory protection**: N95 respirator (EN 149).
- **Body protection**: Protective clothing, such as overalls and protective clothing for the head and neck.

### 8.4 Work hygiene instructions

- **Safeguarding**
  - **General**
    - Store in a dry place.
    - Store in a cool place.
    - Store away from oxidising agents.
  - **Specific**
    - Store in a dry place.
    - Store in a cool place.
    - Store away from oxidising agents.

### 8.5 Spill response procedures

- **General**
  - Neutralise or dilute the spillage with water or other protective equipment.
  - **Specific**
    - Remove the spillage using appropriate protective equipment.
    - Neutralise or dilute the spillage with water or other protective equipment.

### 8.6 Disposal

- **General**
  - **Method**
    - Chemical waste treatment.
  - **Specific**
    - Disposal in accordance with local regulations.

### 8.7 Stabilisation and compatibility

- **General**
  - **Stabilisation**
    - Provide a dust extraction system.
  - **Compatibility**
    - Stable when stored properly.

### 8.8 Reaction product (bisphenol A-(epichlorhydrin), epoxy resin (number average molecular weight <= 700))

- **General**
  - **Reactivity**
    - Stable when stored properly.
  - **Stability**
    - Providing a dust extraction system.
  - **Special precautions**: None.

### 8.9 Notes

- **General**
  - None.
  - **Specific**
    - None.

### 8.10 Reference values

- **General**
  - **STEL** (Short-term exposure limit): 15-minute reference period.
  - **WEL** (Workplace exposure limit): 8-hour reference period.
  - **BMGV** (Biological monitoring guidance value).
  - **AGW** (Arbeitsplatzgrenzwert).
  - **DNEL** (Derived no-effect level).
  - **PNEC** (Predicted no-effect concentration).

### 8.11 Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Area of application</th>
<th>Exposure route / Environmental compartment</th>
<th>Effect on health</th>
<th>Description</th>
<th>Value</th>
<th>Unit</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calcium carbonate</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.12 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 feedingsuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 8.13 Conditions for safe storage, including any incompatibilities

- Keep out of reach of unattended individuals.
- Not to be stored in gangways or stair wells.
- Store product closed and only in original packaging.
- Do not store with oxidising agents.
- Under all circumstances prevent penetration into the soil.
- Store in a dry place.

### 8.14 Specific end use(s)

#### Adhesive

- **Application**: Food contact, medical devices, general maintenance, consumer goods
- **Use**: Bonding, sealing, lubrication, printing, coating, painting

### 8.15 Personal protective equipment

- **Eye protection**: Tight fitting protective goggles with side protection (EN 166).
- **Skin protection**:
  - Hand protection: Chemical resistant protective gloves (EN 374).
  - Foot protection: Chemical resistant protective footwear.
- **Respiratory protection**: N95 respirator (EN 149).
- **Body protection**: Protective clothing, such as overalls and protective clothing for the head and neck.

### 8.16 Work hygiene instructions

- **Safeguarding**
  - **General**
    - Store in a dry place.
    - Store in a cool place.
    - Store away from oxidising agents.
  - **Specific**
    - Store in a dry place.
    - Store in a cool place.
    - Store away from oxidising agents.

### 8.17 Spill response procedures

- **General**
  - Neutralise or dilute the spillage with water or other protective equipment.
  - **Specific**
    - Remove the spillage using appropriate protective equipment.
    - Neutralise or dilute the spillage with water or other protective equipment.

### 8.18 Disposal

- **General**
  - **Method**
    - Chemical waste treatment.
  - **Specific**
    - Disposal in accordance with local regulations.

### 8.19 Stabilisation and compatibility

- **General**
  - **Stabilisation**
    - Provide a dust extraction system.
  - **Compatibility**
    - Stable when stored properly.
  - **Special precautions**: None.

### 8.20 Notes

- **General**
  - None.
  - **Specific**
    - None.

### 8.21 Reference values

- **General**
  - **STEL** (Short-term exposure limit): 15-minute reference period.
  - **WEL** (Workplace exposure limit): 8-hour reference period.
  - **BMGV** (Biological monitoring guidance value).
  - **AGW** (Arbeitsplatzgrenzwert).
  - **DNEL** (Derived no-effect level).
  - **PNEC** (Predicted no-effect concentration).

### 8.22 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 feedingsuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

### 8.23 Eye protection:

- **Tight fitting protective goggles with side protection (EN 166).**

### 8.24 Skin protection:

- **Hand protection**: Chemical resistant protective gloves (EN 374).
- **Foot protection**: Chemical resistant protective footwear.

### 8.25 Respiratory protection:

- **N95 respirator (EN 149).**

### 8.26 Body protection:

- **Protective clothing, such as overalls and protective clothing for the head and neck.**
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Pastelike, Liquid
Colour: Beige
Odour: Characteristic
Density: Not determined
Flammability (solid, gas): n.a.
Flash point: n.a.
Vapour pressure: Not determined
Vapour density (air = 1): Not determined
Surface tension: Not determined
Conductivity: Not determined
Fat solubility / solvent: Not determined
Miscibility: Not determined
Oxidising properties: No
Decomposition temperature: Not determined
Water solubility: Insoluble
Solubility(ies): Not determined
Oxidising properties: No
Decomposition temperature: Not determined
Stable with proper storage and handling.
The product has not been tested.
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 oxidising agents.
Avoid contact with strong acids.
10.5 Incompatible materials
See also section 7.
Avoid contact with strong oxidising agents.
Avoid contact with strong acids.
Avoid contact with strong alkalis.
10.6 Hazardous decomposition products
See also section 5.
No decomposition when used as directed.

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 oxidising agents.
Avoid contact with strong acids.
Avoid contact with strong alkalis.
10.5 Incompatible materials
See also section 7.
Avoid contact with strong oxidising agents.
Avoid contact with strong acids.
10.6 Hazardous decomposition products
See also section 5.
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-201.120
(COSMOSFEN AL 1630 Binder)

<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>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
</tbody>
</table>

Carcinogenicity:
- Negative (Combined Chronic Toxicity/Carcinogenicity Studies)
- Positive (Bacterial Reverse Mutation Test)
- No data available.

Reproductive toxicity:
- Negative (Combined Chronic Toxicity/Carcinogenicity Studies)
- Positive (Bacterial Reverse Mutation Test)
- No data available.

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 oxidising agents.
Avoid contact with strong acids.
Avoid contact with strong alkalis.
10.5 Incompatible materials
See also section 7.
Avoid contact with strong oxidising agents.
Avoid contact with strong acids.
Avoid contact with strong alkalis.
10.6 Hazardous decomposition products
See also section 5.
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-201.120
(COSMOSFEN AL 1630 Binder)

<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>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Acute toxicity, by dermal route</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Acute toxicity, by inhalation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>LL050</td>
<td>&gt;2000</td>
<td>mg/kg</td>
<td>Rat</td>
<td>n.d.e.</td>
<td>n.d.e.</td>
</tr>
</tbody>
</table>

Carcinogenicity:
- Negative (Combined Chronic Toxicity/Carcinogenicity Studies)
- Positive (Bacterial Reverse Mutation Test)
- No data available.

Reproductive toxicity:
- Negative (Combined Chronic Toxicity/Carcinogenicity Studies)
- Positive (Bacterial Reverse Mutation Test)
- No data available.
<table>
<thead>
<tr>
<th>Section 12: Ecological information</th>
</tr>
</thead>
</table>

**Toxicity / effect** | Endpoint | Time | Value | Unit | Organism | Test method | Notes |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish:</td>
<td>LC50</td>
<td>96h</td>
<td>2</td>
<td>mg/l</td>
<td><strong>U. S. EPA</strong></td>
<td>OEL 405 (Fish, Acute Toxicity Test)</td>
<td>No PBT substance, No vPvB substance</td>
</tr>
<tr>
<td>12.1. Toxicity to daphnia:</td>
<td>EC50</td>
<td>24h</td>
<td>5</td>
<td>mg/l</td>
<td><strong>U. S. EPA</strong></td>
<td>OEL 405 (Fish, Acute Toxicity Test)</td>
<td>No PBT substance, No vPvB substance</td>
</tr>
<tr>
<td>12.1. Persistence and degradability:</td>
<td>NOEC/EC50</td>
<td>96h</td>
<td>14</td>
<td>mg/l</td>
<td><strong>U. S. EPA</strong></td>
<td>OEL 405 (Fish, Acute Toxicity Test)</td>
<td>Not relevant for inorganic substances</td>
</tr>
</tbody>
</table>

**Biodegradation and persistence**

<table>
<thead>
<tr>
<th>Test</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.2. Persistence and degradability:</td>
<td>NOEC/EC50</td>
<td>96h</td>
<td>10</td>
<td>mg/l</td>
<td><strong>U.S. EPA</strong></td>
<td>ECOTOX Database</td>
</tr>
</tbody>
</table>

**Other organisms:**

<table>
<thead>
<tr>
<th>Toxicity / effect</th>
<th>Endpoint</th>
<th>Time</th>
<th>Value</th>
<th>Unit</th>
<th>Organism</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1. Toxicity to fish:</td>
<td>EC50</td>
<td>96h</td>
<td>10</td>
<td>mg/l</td>
<td><strong>U. S. EPA</strong></td>
<td>ECOTOX Database</td>
</tr>
</tbody>
</table>
14.5. Environmental hazards: environmentally hazardous

Transport by sea (IMDG-code)

14.2. UN proper shipping name: ENVIRONMENTAL HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
14.5. Environmental hazards: environmentally hazardous

Transport by air (IATA)

Table: Toxicity Tests

<table>
<thead>
<tr>
<th>Test</th>
<th>Toxicity</th>
<th>EC50</th>
<th>Toxicity</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>14d</td>
<td>Toxic</td>
<td>21d</td>
<td>Toxic</td>
<td>21d</td>
</tr>
<tr>
<td>28d</td>
<td>Toxic</td>
<td>21d</td>
<td>Toxic</td>
<td>21d</td>
</tr>
</tbody>
</table>

Other organisms:

<table>
<thead>
<tr>
<th>Test</th>
<th>Toxicity</th>
<th>EC50</th>
<th>Toxicity</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>14d</td>
<td>Toxic</td>
<td>21d</td>
<td>Toxic</td>
<td>21d</td>
</tr>
<tr>
<td>28d</td>
<td>Toxic</td>
<td>21d</td>
<td>Toxic</td>
<td>21d</td>
</tr>
</tbody>
</table>

**SECTION 15: Regulatory information**

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

Observe restrictions:

Comply with trade association/occupational health regulations.

directive 2010/75/eu (VOC):

0 g/l

Observe youth employment law (German regulation).

15.2. Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

**SECTION 16: Other information**

Revised sections: 2, 16

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 (EC) 1272/2008 (CLP):**

**Classification in accordance with regulation (EC) No. 1272/2008 (CLP)**

Eye Irrit. 2, H319

Skin Irrit. 2, H315

Skin Sens. 1, H317

Aqueous Chronic 2, H411

**Evaluation method used**

**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:**

- AEC: Article Categories
- acc.: acc., according to
- ACGIH: 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)
- AOE: Acceptable Operator Exposure Level
- AOX: Adorbable Organic Halogen Compounds
- approx.: approximately
- Art.: Art. No. Article
- ATE: Acute Toxicity Estimate according to Regulation (EC) 1272/2008
- BAM: Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
- BAuA: Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
- BCF: Bioconcentration factor
- BOD: Biological Oxygen Demand
- BPF: Biodiesel Fuel and Biodiesel
- BSE: Bromine Science and Environmental Forum
- bw: body weight
- CAS: Chemical Abstracts Service
- CEC: Coordinating European Committee (for the Development of Performance Tests for Fuels, Lubricants and Other Fluids)
- CESIO: Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
- CPAC: Collaborative International Pesticides Analytical Council
- CLP: Classification Labeling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
- DMEL: Derived Minimum Effect Level
- DOC: Disaggregated organic carbon
- DT50: Dwell Time - 50% reduction of start concentration
- DVS: Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
- EC: European Community
- ECHA: European Chemicals Agency
- EEA: European Economic Area
- EEC: European Economic Community
- EEM: Emission End Marker
- EoE: Environmentally hazardous
- ETS: European Technical Specification
- EUI: Emission Unit International
- EUE: Emission Unit European
- EUT: Emission Unit Tonne
- EUTS: Emission Unit Tonne-Standard
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:

Chemical Check GmbH, Chemical Check Plaza 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.