

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



63812 Carbopol® EZ 2

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Revised edition: 25.08.2018

Version: 2.1

Printed: 14.01.2022

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Carbopol® EZ 2

Article No.: 63812

UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Home care

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

Mixture

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3.2.

Chemical Characterization: 2-Polyacrylic acid, self-dispersing

Information on Components / Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air. If required give artificial respiration. Keep patient warm.

Give artificial respiration in case breathing is not regular or if it has stopped.

If breathing is difficult call a physician.

After skin contact:

Wash with soap and rinse with plenty of water.

If symptoms persist, consult a physician.

Wash contaminated clothing before reuse.

After eye contact:

Immediately flush eyes with plenty of 1% physiological saline for 5 minutes while holding eyelids open: see a physician.

If no saline is available, flush with plenty of clean water for 15 minutes. See physician.

Water (moisture) swells this product into a gelatinous film which may be difficult to remove from the eye using only water.

After ingestion:

If symptoms persist consult physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray, water mist.

CO₂ may be ineffective on larger fires due to a lack of cooling capacity which may result in reignition.

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Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Product may cause an explosive mixture of organic dust and air.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Avoid formation of dust, wear protective clothing.
Together with water product causes slippery surfaces.*

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

*Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.
Clean polluted are with water or other cleaning fluids.*

6.4. Reference to other Sections

*Protective clothing, see Section 8.
See Section 13 for information on disposal.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Do not eat or drink during work. Do not smoke.
Do not swallow or inhale.
Avoid contact with eyes and skin.*

Hygienic measures:

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a dry and cool room.
Store containers in a well ventilated location.*

Requirements for storage areas and containers:

No special measures necessary.

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Information on fire and explosion protection:

*Avoid dust formation.
Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Ground and bond containers when transferring material.
Combustible material (TRGS 510)
Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

Maximum storage temperature: < 80°C

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No exposure limits for this product.

Parameters to be controlled:

2-Propenoic acid, homopolymer (TWA): 0.05 mg/m³

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Use appropriate local exhaust ventilation to control airborne levels.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

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Protective suit with long sleeves.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>slight acetic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>2.5 - 3 (1 % H₂O)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.4 g/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>will swell in water</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>ca. 480°C</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>

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Explosive properties:

Dust can form explosive mixtures with air.

Oxidizing properties:

none

Bulk density:

0.215 g/ml (25°C)

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Dust explosion limit, lower: 0.08 oz/ft³

Dust explosion number: 157 - 193 m.b./s

Ignition energy, minimum: 100 - 300 mJ

Ignition temperature, minimum: ca. 480°C

Speed of pressure, maximum: 786 bar/s (500 g/cm³)

Maximum explosion pressure: 6 bar (500 g/cm³)

Volume resistance: 4.70x 10⁺ 15 ohm-cm

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable at room temperature.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Avoid contact with heat and static discharge.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Strong basic products such as ammonium, sodium hydroxide or strong basic amines (heat development).

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon monoxide, carbon dioxide and fumes.

10.7. Further Information

11. Toxicological Information

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11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Symptoms: stomach disorders

LD50, dermal:

No information available.

LC50, inhalation:

Avoid inhalation of dust.

Animal studies indicate the inhalation of respirable polyacrylate dust may cause inflammatory changes in the lung.

Primary effects

Irritant effect on skin:

Powder can cause local irritation in skin folds or beneath tightly worn clothes.

Dust may cause irritation.

Irritant effect on eyes:

Dust may irritate eyes.

Inhalation:

Irritates the respiratory tract.

Breathing of dust may cause coughing, mucous production, and shortness of breath.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects observed.

Reproductive toxicity:

No negative effects.

Carcinogenicity:

This product is not considered to be a carcinogen by IARC,ACGIH, NTP or OSHA.

Teratogenicity:

Not considered to be teratogenic.

Specific target organ toxicity (STOT):

Single exposure: Product absorbs humidity easily, which can cause the eyes or nose to thicken after contact or inhalation.

Cyclohexane: Category 3, with narcotic effects (central nervous system)

Repeated exposure: a lifetime (2-year) inhalation study in rats with respirable polyacrylate dust resulted in inflammation, hyperplasia, fibrosis and alveolar abnormalities). Suitable respiratory protection is required for professional users when contact with respirable polyacrylate dust is given.

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Additional toxicological information:

Pre-existing skin conditions may be aggravated by prolonged or repeated exposure.

Persons with sensitive airways (e.g. asthmatics) may react to vapors.

This material readily absorbs moisture and may become thick and gelatinous upon contact with mucous membranes of the eye, or upon inhalation in the nasal passages.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

No information available.

Bacteria toxicity:

No data available.

Algae toxicity:

No information available.

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Do not let run into surface waters, waste water or soil.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

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14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (German Regulation)

Local regulations on chemical accidents:

Seveso III (96/82/EG): Ethyl acetate (215-500-4): 0.1 - 1.0 %

Employment restrictions:

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Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Ethyl acetate (205-500-4): 0.1 - 1.0 %; Cyclohexane (203-806-2): 0.1 - 1.0 %

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

Listed in the following inventories:

EINECS (EU), TSCA (US), AICS (AUS), DSL/NDSL (CA), PICCS (PH), ECL (KR), MITI/ENCS (JP), IECSC/NEPA (CN), CH, NZIoC (NZ)

Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

Regulation (EC) 689/2008 concerning the export and import of dangerous chemicals: not regulated / not applicable

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

EC. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work: Ethyl acetate (205-500-4): 0.1 - 1.0 %

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.