

Safety Data Sheet

(Rev: 12 AUG 2014)



Product: **ZEOSORB®**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Identification of the substance or preparation**

Trade name: **Zeosorb**

Use of the substance/preparation: Advanced filtration media

Company Identification/Supplier Watch Water GmbH
Fahrlachstr. 14
D-68165 Mannheim
Germany
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Fax: + 49 62187951-99

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* 2. COMPOSITION / INFORMATION ON INGREDIENTS

- **Composition:** Naturallay mined Zeolite

| Component | Classification | Formula | CAS-Nr. | Conc. w/w |
|-----------|----------------|--|------------|-----------|
| Zeolite | Clinoptilolite | $(Ca,K_2,Na_2,Mg)_4Al_8Si_{40}O_{96} \cdot 24H_2O$ | 12173-10-3 | 100% |

See section 16 for full text of R-phrases

* 3. HAZARD IDENTIFICATIONS

- **Hazard Symbols:**

This product is not classified as dangerous in accordance with Directives 1967/548/EEC, 1999/45/EC or 1278/2008/EC. Any disclosed substance is present below hazardous concentration levels for the product classification as hazardous.

- **Most important hazards:** none known
Environmental hazards: The product is not classified as dangerous for the environment.

* 4. FIRST-AID MEASURES

- **General Information:**
Take off contaminated clothes immediately. Wash immediately with plenty of water. Continue rinsing for at least 10 minutes. If any symptom persists, seek medical attention.
- **Eye contact:** Rinse immediately with plenty of running water. Continue for at least 15 minutes. Seek medical advice.
- **Skin contact:** Wash immediately with plenty of water. Continue for at least 15 minutes. Obtain medical advice if there are persistent symptoms. Remove contaminated clothing.
- **Inhalation:** Remove patient to fresh air, allow to rest and keep warm. Obtain medical advice if there are persistent symptoms.
- **Ingestion:** First rinse mouth with water. Immediately give 1-2 glasses of water, if victim is fully conscious. Seek medical attention.

* 5. FIRE-FIGHTING MEASURES

- **Extinguishing media:** The material is not flammable. Any means suitable for extinguishing surrounding fire.
- **Exposure hazards:** None known
- **Combustion products:** none
- **Protective equipment:** none

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6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Wear protective clothing. Do not breathe the dust.
- **Environmental precautions:** Natural zeolite is a registered soil auxiliary substance, and does not contaminate water.
- **Methods for cleaning up:** Vacuum or sweep up material and placed in a normal waste container.

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7. HANDLING AND STORAGE

- **Handling:** Normal chemical handling. Wash hands after handling. Do not inhale dust.
- **Storage:** between 5 and 40 °C . Protect from sun. Store containers in dry, clean and good ventilated warehouse. Do not store together with chemicals. Keep container close when not in use.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Exposure limit:**
Occupational Exposure Limit value (TRGS 900) 10mg/m³ inhalable dust
- **Personal protective equipment:**
- **General protective and hygienic measures:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
- **Respiratory protection:** In case of insufficient ventilation, use a breathing mask.
- **Hand protection:** Protective gloves. Suitable material: latex, chloroprene, butyl rubber, nitril rubber, neoprene
- **Eye protection:** Wear safety goggles. Have eye flushing equipment available.
- **Skin protection:** Wear appropriate protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------------|-----------------------|
| • General Information: | |
| Physical State: | Solid |
| Appearance | Light green |
| Odor: | Odorless |
| • Change in condition: | |
| Melting point/Melting range: | n.a. |
| • Bulg weight: | 820 kg/m ³ |
| • Flash point: | n.a. |
| • Solubility in water 20 °C: | not soluble |
| • pH-value (10 g/l): | 6.5 to 8 |

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10. STABILITY AND REACTIVITY

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to avoid:** None known..
- **Hazardous decomposition products:** None known.

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11. TOXICOLOGICAL INFORMATIONS

Test results on an analogous product

Acute toxicity (LD/LC50 values relevant for classification):

Oral LD50, rat: > 20000 mg/kg

Primary irritant effect:

Skin: No irritation of the skin and mucous membranes

Eye: Mechanical irritation

Sensitization: No sensitizing effect known.

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12. ECOLOGICAL INFORMATION

Environmental data: non-toxic for fish and other animals

- **Remark:** This product is not classified as dangerous for environment.

* 13. DISPOSAL CONSIDERATIONS

- **General Information:** All local and national regulations should be followed.
Product: sweep and dispose as non-dangerous waste.

* 14. TRANSPORT INFORMATIONS

- **Land transport ADR/RID and GGVS/GGVE:**

Not regulated for transport.

- **Sea transport IMDG:**

Not regulated for transport.

- **Air transport IATA/ICAO:**

Not regulated for transport.

* 15. REGULATORY INFORMATIONS

- **Labelling according to EU guidelines:**
- **Hazard Symbols:** none

We recommend the following safety precautions:

S-phrases: S2 Keep it out of range of children.
S25 Avoid contact with eyes.
S36/37 Wear suitable protective clothing and gloves

- **National regulations (Germany):**
- **Water hazard class:** Water hazard class 1- low hazard for water (classified acc. to Annex 4 VwVwS based on components).

* 16. OTHER INFORMATIONS

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.
- **Relevant R-phrases**
none
- *** Data compared to the previous version altered.**
- **Reason for revision:** General update.