

Safety data sheet
according to 1907/2006/EC, Article 31

Print date: 06.05.2008

revised on: 06.05.2008

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Commercial name:** Mineralsalz / mineral salt
- **Use of the substance / preparation:** Chemical for various applications
- **Manufacturer / Supplier:**
AquaCare GmbH & Co. KG
Am Wiesenbusch 11
D-45966 Gladbeck
Tel. ++49 (0) 2043 – 37578-0
Fax ++49 (0) 2043 – 375758-90
- **E-mail address of the qualified person responsible for the safety data sheet:**
info@aquacare.de
- **Informing area:** Sales
- **Emergency information:** as before or nearest poison control center

2 Possible hazards

- **Hazard designation:** Not applicable
- **Special hazard warnings for humans and the environment:** Not applicable
- **Classification system:**
The product is not subject to labeling according to the calculation procedure of the "General Classification guideline for preparations of the EC" in the latest valid version.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of various mineral salts
- **Hazardous ingredients:** Not applicable
- **Additional information:** The wording of the listed hazard statements can be found in chapter 16.

4 First aid measures

- **General information:** No special measures required.
- **after inhalation:** Fresh air supply, consult a doctor in case of complaints.
- **after skin contact:**
Wash off with plenty of soap and water. Consult a doctor in case of complaints.
- **after eye contact:**
Rinse opened eye for several minutes under running water. Consult a doctor if symptoms persist.
- **after ingestion:**
Rinse out mouth and drink plenty of water. Consult a doctor if symptoms persist.

5 Firefighting measures

- **Suitable extinguishing agents:**
Carbon dioxide (CO₂), extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- **Unsuitable extinguishing agents for safety reasons:** Full jet of water
- **Special exposure hazards arising from the substance, its combustion products or resulting gases:**
Sulphur oxides (SO_x)
Hydrogen chloride (HCl)
Carbon monoxide (CO) and carbon dioxide (CO₂)

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- **Special protective equipment:** *Wear self-contained breathing apparatus.*

6 Measures in the event of accidental release:

- **Personal safety precautions:**
*Ensure adequate ventilation. Avoid dust formation. Do not inhale dust.
Avoid skin and eye contact.*
- **Environmental protection measures:** *Avoid large quantities entering drains/watercourses.*
- **Cleaning/recording procedure:**
*Ensure adequate ventilation. Pick up mechanically.
Dispose of the collected material in accordance with regulations.*

7 Handling and storage

- **Handling:**
- **Instructions for safe handling:**
*Ensure good ventilation/extraction at the workplace. Avoid contact with the eyes.
Avoid prolonged skin contact. Avoid dust formation.
Dust that cannot be avoided must be collected regularly. Do not inhale dust.
Ensure compliance with the occupational exposure limit value(s) (OEL) and/or other limit values.*
- **Notes on fire and explosion protection:** *No special measures required.*
- **Storage:**
- **Requirements for storage rooms and containers:** *No special requirements.*
- **Storage instructions:** *Do not store together with acids.*
- **Further information on storage conditions:**
Store in well-sealed containers in a cool, dry place. Store containers in a well-ventilated place. Product is hygroscopic.

8 Exposure controls/personal protective equipment

- **Additional information on the design of technical systems:** *No further details, see point 7.*
- **Components with limit values that require monitoring at the workplace:**
*General dust limit value:
Inhalable fraction (E-dust): 10 mg/m³ (shift average)
Respirable fraction (A-dust): 3 mg/m³ (shift average)*
- **Personal protective equipment:**
- **General protective and hygiene measures:**
*Remove soiled, soaked clothing immediately. Do not inhale dust.
Avoid contact with the eyes.
Avoid prolonged and intensive skin contact.
Do not eat, drink, smoke or take snuff at work.
Keep away from food, drink and animal feed. Wash hands before breaks and at the end of work.*
- **Respiratory protection:**
Respiratory protection in case of dust formation

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No special measures are normally required if the occupational exposure limit value(s) (OEL) and other limit values are permanently and safely complied with.

- **Hand protection:**

Safety gloves

To avoid skin problems, gloves should be worn as little as possible.

Always check for leaks before using the glove again.

The glove material must be impermeable and resistant to the product / substance / preparation.

Selection of glove material taking into account breakthrough times, permeation rates and degradation.

Sensitization possible due to the ingredients in the glove materials.

- **Glove material**

The selection of a suitable glove depends not only on the material, but also on other quality features and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Gloves made from natural rubber/natural latex - NR

Recommended material thickness: $\geq 1,0$ mm

Chloroprene rubber gloves

Recommended material thickness: $\geq 0,8$ mm

- **Penetration time of the glove material**

Protective gloves should be replaced at the first signs of wear.

Permeation time / breakthrough time: ≥ 8 hours (DIN EN 374)

The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to.

- **Eye protection:** Safety goggles

- **Body protection:**

Protective work clothing

Personal protective equipment must be selected depending on the activity and possible exposure

9 Physical and chemical properties

- **General information**

| | |
|---------------|----------|
| Shape: | moist |
| Color: | bluish |
| Odor: | odorless |

- **Change of state**

| | |
|-------------------------------------|----------------|
| Melting point/melting range: | Not determined |
| Boiling point/boiling range: | Not determined |

- **Flash point:** Not applicable

- **Spontaneous combustion:** The product is not self-igniting.

- **Explosion hazard:** The product is not explosive.

- **Density:** Not determined

- **Solubility in / miscibility with**

| | |
|---------------|----------------|
| Water: | Easily soluble |
|---------------|----------------|

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Protect from moisture.

- **Substances to avoid:** Acids

- **Dangerous reactions** Contact with acids releases toxic/corrosive gases.

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- **Hazardous decomposition products:**
Carbon monoxide (CO) and carbon dioxide (CO₂)
Sulphur oxides (SO_x)
Hydrogen chloride (HCl)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Risk of mechanical irritation from dust particles.
- **on the eye:** Risk of mechanical irritation from dust particles.
- **Sensitization:** No sensitizing effect known.

12 Environmental information

- **General information:**
Water hazard class 1 (self-classification according to VwVwS): slightly hazardous to water

13 Notes on disposal

- **Product:**
- **Recommendation:** Disposal in accordance with local, official regulations.
- **Waste code number:**
The waste code number according to the Waste Catalogue Ordinance (AVV) depends on the waste producer and can therefore be different for a product. The waste code number must therefore be determined separately by each waste producer.
- **European Waste Catalog:**
The assignment of waste code numbers according to the EAV must be carried out on an industry and process-specific basis.
- **Uncleaned packaging:**
- **Recommendation:** Disposal in accordance with official regulations.

14 Transport details

- | |
|---|
| <ul style="list-style-type: none"> • Land transport ADR/RID and GGVSE (cross-border/inland): • ADR/RID-GGVSE Class: - |
| <ul style="list-style-type: none"> • Sea transportation IMDG/GGVSee: • IMDG/GGVSee class: - |
| <ul style="list-style-type: none"> • Air transportation ICAO-TI and IATA-DGR: • ICAO/IATA class: - |

15 Information on legal provisions

- **Labeling according to EEC directives:**
The product is not subject to classification according to the calculation procedure of the "General Classification guideline for preparations of the EC" in the latest valid version. The usual precautionary measures for handling chemicals must be observed.
- **National regulations:**
- **Major Accidents Ordinance:** Major Accidents Ordinance, Annex: Not mentioned

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- **Water hazard class:**

Water hazard class 1 (self-classification according to VwVwS): slightly hazardous to water

16 Other information:

The information is based on the current state of our knowledge, but does not constitute a guarantee of product characteristics and do not establish a contractual legal relationship.

- **Data sheet issuing area:**

*AquaCare GmbH & Co. KG
Am Wiesenbusch 11
D-45966 Gladbeck*

*Tel.: 02043-375758-0
Fax: 02043-375758-90*

- **Sources:** *The data is based on information from upstream suppliers.*

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