

Home Nr.: 097-006 Revised at: 01.2010
Name in Cmrce. **Elektrolyte salt**
Version: 1.1 Class of: 01.2010
Product no.: **097-006-00**
Code:

01. Identification of the Substance and of the Company

Product Definition

Name in Cmrce.: Elektrolyte salt
Product-Infos: Elektrolyte salt
Manufacturer: DENTAURUM GmbH & Co. KG
Turnstraße 31D-75228 Ispringen

Information from

Emergency-Info: Chemie
07231-803-184/190

02. Composition/Information on Ingredients

Chemical Nature:
potassium hydroxide

| | | | |
|----------------|-----|----------|-----------------|
| CAS: 1310-58-3 | EG: | UN: 1813 | EINECS: 2151813 |
|----------------|-----|----------|-----------------|

Dangerous Contents:

| CAS number/Description: | Concentration: | GS: | R Phrases: |
|-------------------------------|----------------|-----|------------|
| 1310-58-3 potassium hydroxide | | C | 35 |

03. Hazards Identification

35 Causes severe burns.

04. First-Aid Measures

- First aid measures / general information
Remove contaminated soaked clothing immediately and dispose of safely.
- First aid measures / skin contact
In case of contact with skin wash off immediately with plenty of water
- First aid measures / eye contact
In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice
- First aid measures / ingestion
Do not induce vomiting.
Summon a doctor immediately.
Rinse out mouth and give plenty of water to drink.

05. Fire-fighting Measures

- Suitable extinguishing media
foam
dry powder
carbon dioxide
water mist

06. Accidental Release Measures

- personal precautions
Remove persons to safety
- environmental precautions
Do not discharge into the drains/surface waters/groundwater.
- methods for cleaning up/taking up
Take up mechanically

07. Handling and Storage

- Advice on safe handling
- Advice on protection against fire and explosion
No special measures necessary
- Further information on storage conditions
Keep container tightly closed

08. Exposure Controls/Personal Protection

- Hand protection
Neoprene gloves
- Eye protection
tightly fitting goggles
- Skin protection
light protective clothing

09. Physical and chemical Properties

- Form
solid
- Colour
colourless
- Odour
odourless
- pH-value: 14 (20°C)
- Changes in physical state 1, solid - liquid and others
Melting point: 410°C
- Changes in physical state 2, liquid - gaseous and others
Boiling point: 1327°C (1013 hPa)
- Density / remarks: 2,04g/cm³ (20°C)
- Bulk density / remarks: 1300 kg/m³
- Solubility in water / remarks: 1120 g/l (20°C)

10. Stability and Reactivity

- Hazardous reactions
Reactions with base metals, with evolution of hydrogen.
- Thermal decomposition / remarks
No decomposition if used as agreed

11. Toxicological Information

- Acute oral toxicity / LD50
LD50: 273 mg/kg
- Acute oral toxicity / species
rat
- Irritant effect on skin / validation
strongly corrosive
- Irritant effect on skin / species
rabbit

12. Ecological Information

- General information / ecology
Do not allow to enter soil, waterways or waste water

13. Disposal Considerations

- Disposal / product
In accordance with regulations for special waste, must be taken after pretreatment to an authorised special waste disposal site or incineration plant
Waste code no. (only EC): 060299
- Disposal / contaminated packaging
Uncontaminated packaging may be taken for recycling

14. Transport Information

- UN 1813
- Land transport / lorry / international / remarks
1813 Potassium hydroxide, solid (Potassium hydroxide)
- Land transport / rail / international / remarks
1813 Potassium hydroxide, solid (Potassium hydroxide)
- Marine transport / remarks
Proper shipping name: Potassium hydroxide
- Air transport / remarks
Proper shipping name: Potassium hydroxide, solid

| | | | | |
|------|-----------------------|-------|------------|----------|
| 80 | GGVS/E-Class: | 8, II | AS-No.: | 060299 |
| 1813 | ADR/RID-Class: | 8, II | | |
| | ADNR-class: | 8 | Category: | |
| | IMDG/GGVSee-CI/Digit: | 8 | EmS: | F-A, S-B |
| | MFAG: | 705 | ICAO/IATA: | 8 |
| | | | PG: | II |

15. Regulatory Information

- Labelling
The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.
Hazard symbols
- C Corrosive
R phrases
- 35 Causes severe burns.
S phrases
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37/39 Wear suitable gloves and eye/face protection.
- 44 If you feel unwell, seek medical advice (show the label where possible).
- Water hazard class / remarks
Weakly water hazardous WGK 1



corrosive

16. Other Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
