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

1.1. Chemical designation
Sodium sulfate, anhydrous

1.2. Information to manufacturer/supplier
1.2.1 Manufacturer/supplier
Cordenka GmbH & Co. KG
Road/P.O. box
Industrie Center Obernburg
Postcode/place
D – 63784 Obernburg
1.2.2 Information
Telephone +49 6022 81 3265
Telefax +49 6022 81 3260
1.2.3 Emergency information
Cordenka GmbH & Co. KG
Werk Obernburg (DE)
Telephone +49 6022 81 2666

2. Composition / information on ingredients
This product is a material in the sense of the chemical law.
Information about dangerous contents

2.1 Chemical description
Sodium sulfate, anhydrous

2.2 Composition

| Number | weight-% | CAS-Number | Chemischer Name |
|--------|----------|------------|----------------|--------------|
| 1      | 99.5     | 7757-82-6  | Sodium sulfate |

<table>
<thead>
<tr>
<th>Number</th>
<th>EC-Number</th>
<th>Index-Number</th>
<th>Symbol</th>
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<tbody>
<tr>
<td>1</td>
<td>231-820-9</td>
<td>none</td>
<td>none</td>
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Danger references
none

3. Possible dangers
This product is not a dangerous material in the sense of the chemical law and the danger material regulation of 26.11.2010.

4. First aid measures

4.1. Signs and consequences
Dust can affect the respiratory system attractive and cause bronchitis symptoms.

4.2. First aid
4.2.1. General
In all cases of doubt or if the symptoms continue, medical treatment is necessary.

4.2.2. Inhale
Remove to fresh air. When symptoms continuous medical treatment is necessary.

4.2.3. Skin
Wash off under running water.

4.2.4. Eyes
May irritate eyes. Only mild to moderate irritation if eyes are promptly washed.

4.2.5. Swallow
Rinse out with water. Drink water. Consult doctor if feeling unwell.
5. Fire-fighting measures

5.1 Suitable extinguishing media:
All fire extinguishing agents.

5.2 For safety reasons unsuitable fire extinguishing agents:
None

5.3 Special endangerments
Do not inhale explosion and combustible gases.

5.4 Dangerous corrosion products and combustion products
In case of fire: emission of toxic steam (SOx and Na2O).

5.5 Protection equipment
Evacuation equipment in case of inbreathable dust.

6. Accidental release measures

6.1 Person-related precautionary measures
Section 8 informs about the personal preventive measures.

6.2 Environmental-protection measures
Collect as much as possible in a clean container for the recycling or disposal.

6.3 Procedures for cleaning / absorption
Take up dry. Forward for disposal. Clean up affected area.

7. Handling and storage

7.1 Handling
Usual precautionary measures while handling with chemicals.

7.2 Fire and explosion prevention
not applicable

7.3 Storage
Temperature: -20°C-+50°C
Humidity: dry, avoid humidity
Usage: before 6 months
8. Exposure controls / personal protection

8.1 Technical preventive measures
Avoid inhale of dust

8.2 Components with workstation-furnished limit values which can be supervised

8.3 Personal protection equipment
8.3.1 Respiratory organs
During dust formation carry a dust respirator (respirator with filter P1)
8.3.2 Hands
Gloves
8.3.3 Eyes
Goggles
8.3.4 Skin and body
Not relevant

9. Physical and chemical properties

9.1 Look
crystalline powder
9.2 Color
white
9.3 Smell
smellless
7.1 Boiling point
> 1700 °C
7.2 Melting point
884 °C
9.4 Flash point
not applicable
9.5 Inflammability
not applicable
9.6 Self inflammability temperature
not applicable
9.7 Danger of explosion
not applicable
9.8 Explosion limits
not applicable
9.9 Fire-promoting characteristics
not applicable
9.10 Steam pressure
not applicable
9.11 Density
2680 kg/m³
9.12 Bulk density
1300 – 1600 kg/m³
9.13 Solubility in water
185 g/l (20 °C)
460 g/l (50 °C)
9.14 Solubility in other solvents
soluble in glycerin
9.15 pH-value
4 – 6 (with 110g/l water and 18 °C)
9.16 Distribution coefficient
n-Oktanol/water
log Pow = -3,0 (berechnet)
9.17 Relativ steam density (air = 1)
not applicable
9.18 Viscosity
not relevant

10. Stability and reactivity

10.1 Stability
Stable with the recommended camp and handling conditions (see section 7).
10.2 Conditions to be avoided
No information avialable
10.3 Substances to be avoided
No information avialable
10.4 Hazardous decompositon products
In case of fire: emission of toxic steam (SOx and Na2O)
11. Toxicological information

11.1 Name
Sodium sulfate

11.2 Acutes toxicity
Oral LD50 mouse: 6346 mg/kg

11.3 Irritation
11.3.1 Skin
no
11.3.2 Eyes
weakly
11.3.3 Gene toxicity
not mutagen

11.4 Other toxicological information
not teratogen

12. Ecological information

12.1 Name
Sodium sulfate

12.2 Ecotoxic effect
12.2.1 Fish
acute toxicity, 96h-LC50 \( \rightarrow \) 120 mg/l
12.2.2 Daphnia
acute toxicity, 48h-EC50: 2564 mg/l

13. Disposal considerations

13.1 Product
According to the local regulations.

13.2 Packaging
According to the local regulations. Only clean packaging can be returned into recycling process.

13.3 Other information
For further information contact producer.

14. Transport information

14.1 Land transport (ADR/RID)
ADR/GGVS-class not restricted
RID/GGVE-class not restricted
Gefahr-Nr. not relevant
TREM-Karte not relevant
Correct technical name not relevant

14.2 Vessel transport (IMO/IMDG-Code)
IMO/IMDG-Code not restricted
group of packing not relevant
EMS-Nr. not relevant
Sea getting dirty no
Correct technical name not relevant

14.3 Air transport (ICAO-TI/IATA-DGR)
ICAO-TI/IATA-DGR class not restricted
Correct technical name not relevant

UN-Nr. none
MFAG-Tafel not relevant

Correct technical name not relevant

Number not relevant
Material-Nr. not relevant
UN-Nr. none

15. Regulatory information

15.1 Labelling according to EC Directives

16. Other information

Cordenka Sodium Sulfate is designed and produced for applications in the glass, cement, coatings, chemical and detergent industry, and is sold for use in such applications.

Cordenka Sodium Sulfate is safe to use as an additive for certain foods, in accordance with all applicable regulations for food as well as feedstuff. In addition, it may be used in the manufacture of pharmaceutical products in accordance with all applicable provisions.

Cordenka Sodium Sulfate is not produced under GMP conditions.

The customer assumes sole responsibility for the use of products purchased for use in these sectors. Exceptions shall be governed by separate product specifications and individual agreements.

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.

It concerns with sodium sulfate, according to the Regulation (EC) No 1907/2006 (REACH), Article 31 and Regulation (EC) No 1272/2008 (CLP / GHS) to a non-hazardous substance for which no MSDS is required. The duty, to provide downstream users in the supply chain with information according to (EC) No 1907/2006 Article 32, shall be met by the present technical product information.

REACH-Registration No.: 01-2119519226-43-0014 vom 05.11.2010