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

• **Informations to product No. 2428**

• **Product name:**

Natriumhydrogencarbonat
Natriumhydrogencarbonas, Natrium bicarbonicum
Sodium hydrogencarbonate

• **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH
Herderstr. 31
40721 Hilden
Tel.: 02103/4994-0
Fax: 02103/32360
e-mail: info@caelo.de

• **Emergency telephone:**

Giftinformationszentrum Mainz
Langenbeckstr. 1, 55131 Mainz
Tel.: 06131/19240

• **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

• **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

• **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

144-55-8 Sodium hydrogencarbonate


• **EINECS-No.:** 205-633-8

• **REACH Reg. No.:** 01-2119457606-32-0000

• **INCI-Name:** Sodium Bicarbonate

4 First aid measures

- **after skin contact:** Wash away with plenty of water. Remove contaminated clothing.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** (big quantities): If feeling unwell seek medical advice.
- **Medical advice:** Ancient medicine against acidification of the stomach.

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5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Not combustible.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage


- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Required if dusts are generated.
- **Hand protection:** Protection gloves of latex or rubber
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** not relevant (Decomposition between 50 und 270 °C)
- **Flammability (solid, vapours):** The product is not flammable.
- **Decomposition temperature:** > 50 °C
- **Density:** (20 °C) 2,2 g/cm³
- **Bulk density:** (20 °C) 700 – 1150 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 100 g/l
- **pH-range:** (50 g/l, 20 °C) 8,1 - 8,4

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10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**

Above 50°C carbon dioxide and water are released.

- **Hazardous reactions:** No hazardous reactions known.

- **Hazardous decomposition products:**

Carbon dioxide on heating

11 Toxicological information

Therapeutically used substance

• **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**

Quantitative data about ecological effects of this product are not available.

- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

13 Disposal considerations

- **Product:**

• **Recommendation:** Disposal according to local regulations as pharmaceutical waste.

- **Empty contaminated packaging:**

• **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**

Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

• **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.


- **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 13

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.