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

· **Informations to product No. 2104**

· **Product name:**

Natriumtetraborat, plv.

Borax

Sodium tetraborate

· **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.

3 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Danger

· **H-Phrases:** H360 May damage fertility or the unborn child

· **P-Phrases:** P202 Do not handle until all safety precautions have been read and understood

Repr. 1 B

2 Composition / information on ingredients


· **Chemical characterization:**

CAS-No. Substance name

1303-96-4 Sodium tetraborate-decahydrate

· **EINECS-No.:** 603-411-9

· **REACH Reg. No.:** 01-2119490790-32-0000

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• **INCI-Name:** Sodium Borate

4 First aid measures

- **after inhalation:** Fresh air
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

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.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **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.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none

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:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex.
- **Eye protection:** Tightly closing Safety glasses

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9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless - white
- **Odour:** odourless
- **Melting point / melting range:** 75 °C
- **Boiling point / boiling range:** 1575 °C
- **Density:** (20 °C) 1,73 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 51,4 g/l
- **pH-range:** (40 g/l, 20 °C) 9 - 10

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

11 Toxicological information


- **Acute toxicity:**
LD50/LC50: RTECS:
CAS# 1330-43-4: Oral, Mouse: LD50 = 1060 mg/kg;
LD50 = 1200 mg/kg
- **Karzinogenität:** Sodium tetraborate, anhydrous - Von ACGIH, IARC, NTP, or CA Prop 65 not classified as carcinogene.
- **Andere:** The toxicological properties are not yet completely researched. See actual entry in RTECS for complete information. Mutagenität: Ames-Test negativ.
- **Additional toxicological informations:** Animal experiments showed evidence for harmful effect on fetus.

12 Ecological information

- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.
- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.

13 Disposal considerations

- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

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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 is classified and labelled according to GHS-regulations.

- **Hazard symbols:** GHS08
- **Signal word:** Danger
- **H-Phrases:** H360 May damage fertility or the unborn child
- **P-Phrases:** P202 Do not handle until all safety precautions have been read and understood
- **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.

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