

Material Safety Data Sheet

according to ANSI Z400.1-2004

Puffer pH 9/ pH 8

Print date: 11.08.2011

Product code: 791450

Page 1 of 3

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

Product identifier

Puffer pH 9/ pH 8

Further trade names

Also applies to the following material numbers: : 1001387;1001391;506254;1001388;506259;150537

Chemical characterization (Mixture)

Details of the supplier of the safety data sheet

| | | |
|-------------------------|--|-------------------------------|
| Company name: | ProMinent Dosiertechnik GmbH (PROMINENT) | |
| Street: | Im Schuhmachergewann 5-11 | |
| Place: | DE-69123 Heidelberg | |
| Post-office box: | 101760 | |
| | DE-69007 Heidelberg | |
| Telephone: | 0049/6221 842 (0) | Telefax: 0049/6221 842 (445) |
| Contact person: | Abteilung Technik/ Umwelt | Telephone: +49(0)6221 842-720 |
| e-mail: | sicherheitsdatenblaetter@prominent.de | |
| Internet: | www.prominent.com | |
| Responsible Department: | Abteilung T/U (Technik/Umwelt) | |
| | Gefahrstoffmanagement/Operational management of Hazardous Substances | |
| | REACH Compliance | |

Emergency telephone: Giftnotruf Berlin +49 (0)30 - 19240

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

| CAS No. | Components | Quantity |
|-----------|---|----------|
| 1303-96-4 | disodium tetraborate decahydrate; borax decahydrate | <0,5% |

SECTION 4: First aid measures

Description of first aid measures

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

To suit environment.

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Page 2 of 3

Unsuitable extinguishing media
Not applicable.

SECTION 6: Accidental release measures

Environmental precautions

Take up with liquid-absorbent material. Rinse away remainder with a lot of water.

Methods and material for containment and cleaning up

Take up with liquid-absorbent material. Rinse away remainder with a lot of water.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

The product is to be handled with the care and diligence usual for chemicals.

Further information on handling

Keep original container tightly closed.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against direct sunlight and frost.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

| CAS No. | Components | ppm | mg/m ³ | fib/cc | Category | Origin |
|-----------|--|-----|-------------------|--------|-----------|--------|
| 1303-96-4 | Borates, tetra, sodium salts (Decahydrate) | - | 5 | | TWA (8 h) | REL |

Exposure controls

Respiratory protection

Required. Required when vapors / aerosols are generated.

Hand protection

Required.

Eye protection

Required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form:

Color:

pH-Value (at 20 °C):

8 bzw. 9

Changes in the physical state

Density (at 20 °C):

 1,0 g/cm³

Test method

SECTION 10: Stability and reactivity

Stability:

Possibility of Hazardous Reactions:

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Page 3 of 3

Conditions to avoid

None known.

Incompatible materials

None known.

Hazardous decomposition products

No decomposition if used according to specifications.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

"Quantitative data on the toxicity of this product are not available. Hazardous properties

Specific effects in experiment on an animal

Natriumtetraborat LD50: 2660 mg/kg

SECTION 12: Ecological information**Toxicity**

Given proper handling and use, no ecological problems are to be expected.

SECTION 13: Disposal considerations**Waste treatment methods****Contaminated packaging**

"Rinse the emptied containers with a lot of water ! Then, these can be disposed of at the

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information**

This product is not classified as dangerous in the sense of transport regulations.

SECTION 15: Regulatory information**U.S. Regulations****SECTION 16: Other information****Other data**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)