### 1. Identification of the substance and of the company

<table>
<thead>
<tr>
<th>Product name</th>
<th>Poly(methacrylic acid) sodium salt</th>
</tr>
</thead>
</table>

**Manufacturer / supplier identification**

| Company | PSS Polymer Standards Service GmbH  
| In der Dalheimer Wiese 5  
| D - 55023 Mainz |
| Technical Phone | +49 6131 - 96239 - 0 |
| Fax | +49 6131 - 96239 -11 |
| Email | Info@polymer.de |
| Emergency Phone | +49 6131 - 1924 - 0 |

### 2. Composition / information on ingredients

| CAS-No.: | 25086-62-8 |
| EG/EC No.: | 226-896-5 |
| Molecular formula: | \((C_4H_6O_2.Na)x\) |

### 3. Hazards identification

**SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT**

Not hazardous according to Directive 67/548/EEC.

### 4. First aid measures

**AFTER INHALATION**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**AFTER SKIN CONTACT**

In case of contact, immediately wash skin with soap and copious amounts of water.

**AFTER EYE CONTACT**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**AFTER INGESTION**

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

### 5. Fire fighting measures

**EXTINGUISHING MEDIA**

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**SPECIAL RISKS**

Specific Hazard(s): Emits toxic fumes under fire conditions.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### 6. Accidental release measures

**PROCEDURE(S) OF PERSONAL PRECAUTION(S)**

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
METHODS FOR CLEANING UP
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

HANDLING
Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE
Conditions of storage: Keep tightly closed.

8. Exposure controls / personal protection

ENGINEERING CONTROLS
Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

HAND PROTECTION
Protective gloves.

EYE PROTECTION
Chemical safety goggles.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Physical State:</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour:</td>
<td>-</td>
</tr>
<tr>
<td>Form:</td>
<td>-</td>
</tr>
<tr>
<td>pH</td>
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</tr>
<tr>
<td>BP/BP Range</td>
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<tr>
<td>Mp/Mp Range</td>
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<td>Flash Point</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Autoignition Temp.</td>
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<tr>
<td>Oxidizing Properties</td>
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<tr>
<td>Explosive Properties</td>
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<tr>
<td>Explosion Limits</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>SG/Density</td>
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</tr>
<tr>
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<tr>
<td>Viscosity</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Saturated Vapor Conc.</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Bulk Density</td>
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</tr>
<tr>
<td>Decomposition Temp.</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Solvent Content  N/A
Water Content  N/A
Surface Tension  N/A
Conductivity  N/A
Miscellaneous Data  N/A
Solubility  N/A

10. Stability and reactivity

STABILITY
Stable: Stable
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Sodium oxide.

HAZARDOUS POLYMERIZATION
Will not occur.

11. Toxicological information

RTECS NUMBER: UD3425900

ACUTE TOXICITY
LD50
Intraperitoneal
Mouse
700 mg/kg

LC50
Intravenous
Mouse
250 mg/kg

SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ROUTE OF EXPOSURE
Skin contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion: May be harmful if swallowed.

12. Ecological information

No data available

13. Disposal considerations

SUBSTANCE DISPOSAL
Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. Transport information

RID/ADR
Non-hazardous for road transport.
15. Regulatory information

Not hazardous according to Directive 67/548/EEC.

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 3
Self-Classification

16. Other information

WARRANTY
The information in this document 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. PSS GmbH shall not be held liable for any damage resulting from handling or from contact with the above product.

DISCLAIMER
For R&D use only. Not for drug, household or other uses.