**Material Safety Data Sheet**

According to EG 1907/2006

Date Updated: 11/03/2008
Version: 1.0

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

<table>
<thead>
<tr>
<th>Product name</th>
<th>Poly(vinyl alcohol) broad</th>
</tr>
</thead>
</table>

**Manufacturer / supplier identification**

<table>
<thead>
<tr>
<th>Company</th>
<th>PSS Polymer Standards Service GmbH</th>
</tr>
</thead>
<tbody>
<tr>
<td>In der Dalheimer Wiese 5</td>
<td>D - 55023 Mainz</td>
</tr>
<tr>
<td>Technical Phone</td>
<td>+49 6131 - 96239 - 0</td>
</tr>
<tr>
<td>Fax</td>
<td>+49 6131 - 96239 - 11</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:Info@polymer.de">Info@polymer.de</a></td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>+49 6131 - 1924 - 0</td>
</tr>
</tbody>
</table>

### 2. Composition / information on ingredients

- CAS-No.: 9002-89-5
- EC No.: 209-183-3
- Molecular formula: \([-\text{CH2CHOH}-]\)_n

### 3. Hazards identification

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

- This substance is not classified as dangerous according to Directive 67/548/EEC.

### 4. First aid measures

**AFTER INHALATION**

- If inhaled, remove to fresh air. If not breathing give artificial respiration.

**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 as a precaution. Assure adequate flushing by separating the eyelids with fingers.

**IF SWALLOWED**

- Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5. Fire fighting measures

**EXTINGUISHING MEDIA**

- Suitable: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS**

- Wear self-contained breathing apparatus for fire fighting if necessary.

**FURTHER INFORMATION**

- Under fire conditions, material may decompose to form flammable and/or explosive mixtures in air.

### 6. Accidental release measures

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

- Avoid dust formation.

**ENVIRONMENTAL PRECAUTIONS**

- Do not let product enter drains.
METHODS FOR CLEANING UP
Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

HANDLING
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

STORAGE
Conditions of storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Light sensitive.

8. Exposure controls / personal protection

PERSONAL PROTECTIVE EQUIPMENT
Respiratory Protection: 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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

HAND PROTECTION
For prolonged or repeated contact use protective gloves.

EYE PROTECTION
Chemical safety goggles.

HYGIENE MEASURES
General industrial hygiene practice.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<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>
<td>N/A</td>
</tr>
<tr>
<td>BP/BP Range</td>
<td>N/A</td>
</tr>
<tr>
<td>Mp/Mp Range</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
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</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition Temp.</td>
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</tr>
<tr>
<td>Oxidizing Properties</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>SG/Density</td>
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</tr>
<tr>
<td>Partition Coefficient</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
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</tr>
<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Saturated Vapor Conc.</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
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<tr>
<td>Bulk Density</td>
<td>N/A</td>
</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
- Storage stability: Stable under recommended storage conditions.
- Conditions to avoid: Exposure to light may affect product quality.
- Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
- Carbon oxides

11. Toxicological information

ACUTE TOXICITY
- LD50 Oral - rat - > 20.000 mg/kg
- Remarks: Behavioral: Altered sleep time (including change in righting reflex).

IRRITATION AND CORROSION
- No data available

SENSITISATION
- No data available

CHRONIC EXPOSURE
- This product is or contains a component that is not classifiable as to its carcinogenicity based on its
  IARC, ACGIH, NTP, or EPA classification.

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
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin contact: May be harmful if absorbed through skin. May cause skin irritation.
- Eye contact: May cause eye irritation.
- Ingestion: May be harmful if swallowed.

12. Ecological information
- No data available

13. Disposal considerations

SUBSTANCE DISPOSAL
- Product: Observe all federal, state, and local environmental regulations.
- Contaminated packaging: Dispose of as unused product.

14. Transport information

RID/ADR
- Non-hazardous for road transport.

IMDG
- Non-hazardous for sea transport.

IATA
- Non-hazardous for air transport.
15. Regulatory information

Caution: This substance is not classified as dangerous according to Directive 67/548/EEC.

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.