

Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006



Date Updated: 2011/07/21

Version: 1.0

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1. Identification of the substance and of the company

1.1 Product identifiers

Product name Poly(2-vinylpyridinium bromide)

Product Number -

CAS-No. -

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

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2. Hazards identification

Special indication of hazards to humans and the environment:

May cause sensitization by skin contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product name Poly(2-vinylpyridinium bromide)

Formula -

Component -

CAS-No. -

Concentration -

Symbols Xi

R-Phrases 43

S-Phrases 36/37

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

In case of skin contact

Immediately wash skin with soap and copious amounts of water.

In case of eye contact

Immediately flush eyes with copious amounts of water for at least 15 minutes.

If swallowed

Wash out mouth with water provided person is conscious. Call a physician.

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5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special Risks

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

5.3 Precautions for fire-fighters

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

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Methods and materials for containment and 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

7.1 Precautions for safe handling

Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering controls

Safety shower and eye bath. Mechanical exhaust required.

8.2 General hygiene measures

Wash thoroughly after handling.

8.3 Personal protective equipment

Eye protection

Chemical safety goggles.

Hand protection

Compatible chemical-resistant gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form: solid

Colour: white

Odour no data available

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pH	no data available
Melting/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Autoignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Solubility: Solvent	no data available

9.2 Other safety information

no data available

10. STABILITY AND REACTIVITY

10.1 Chemical stability

Stable.

10.2 Materials to avoid

Strong oxidizing agents.

10.3 Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen bromide gas.

10.4 Hazardous polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Sensitization:

Skin: May cause allergic skin reaction.

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	Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion	May be harmful if swallowed.
Skin	Causes skin irritation.
Skin absorption	May be harmful if absorbed through the skin.
Eyes	Causes eye irritation.

Target organ information

Liver. Blood. Eyes. Lungs. Kidneys.

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12. ECOLOGICAL INFORMATION

no data available

13. DISPOSAL CONSIDERATIONS

Disposal substance

14. TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Non-hazardous for road transport.

IMDG: Non-hazardous for sea transport.

IATA: Non-hazardous for air transport.

15. REGULATORY INFORMATION

Classification and labeling according to EU directives

Indication of danger: Xi

Irritant

R-Phrases: 43

May cause sensitization by skin contact.

S-Phrases: 36/37

Wear suitable protective clothing and gloves.

Caution:

Substance not yet fully tested (EU).

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.