

Material Safety Data Sheet

According to EG 1907/2006



Date Updated: 22/02/2008

Version: 1.0

Page 1 of 4

1. Identification of the substance and of the company	
Product name	Poly(acrylic acid) sodium salt
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.:	9003-04-7
EG/EC No.:	none
Molecular formula:	C ₃ H ₃ NaO ₂
3. Hazards identification	
SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT Irritating to eyes.	
4. First aid measures	
AFTER INHALATION If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.	
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, immediately flush eyes with copious amounts of water for at least 15 minutes.	
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) Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.	

Material Safety Data Sheet

According to EG 1907/2006

Product name: Poly(acrylic acid) sodium salt

Date Updated: 22/02/2008

Version: 1.0



Page 2 of 4

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: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.	
STORAGE Conditions of storage: Keep tightly closed.	
SPECIAL REQUIREMENTS Moisture sensitive.	
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). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.	
HAND PROTECTION Compatible chemical-resistant gloves.	
EYE PROTECTION Chemical safety goggles.	
9. Physical and chemical properties	
Appearance	Physical State: Solid Colour: - Form: Fine crystals
Property	Value
pH	N/A
BP/BP Range	N/A
Mp/Mp Range	N/A
Flash Point	N/A
Flammability	N/A
Autoignition Temp.	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Explosion Limits	N/A
Vapor Pressure	N/A
SG/Density	N/A
Partition Coefficient	N/A
Viscosity	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A

Material Safety Data Sheet

According to EG 1907/2006

Product name: Poly(acrylic acid) sodium salt

Date Updated: 22/02/2008

Version: 1.0



Page 3 of 4

Bulk Density	N/A
Decomposition Temp.	N/A
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 Conditions to Avoid: Moisture. 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: WD6826000	
ACUTE TOXICITY LD50 Oral Rat > 40000 mg/kg	
IRRITATION DATA Eyes Rabbit 2 mg Remarks: Moderate irritation effect	
SIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exposure can cause: Gastrointestinal disturbances.	
ROUTE OF EXPOSURE Skin contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: Causes eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. 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.	

Material Safety Data Sheet

According to EG 1907/2006

Product name: Poly(acrylic acid) sodium salt

Date Updated: 22/02/2008

Version: 1.0



Page 4 of 4

<p>IMDG Non-hazardous for sea transport.</p> <p>IATA Non-hazardous for air transport.</p>
<p>15. Regulatory information</p> <p>CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES</p> <p>Indication of danger: Xi Irritant.</p> <p>R-PHRASES: 36 Irritating to eyes.</p> <p>S-PHRASES: 26-36 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.</p> <p>Caution: Substance not yet fully tested (EU).</p> <p>COUNTRY SPECIFIC INFORMATION</p> <p>Germany WGK: 1 ID-Number: 1832 KBwS-Decision</p>
<p>16. Other information</p> <p>WARRANTY</p> <p>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.</p> <p>DISCLAIMER</p> <p>For R&D use only. Not for drug, household or other uses.</p>