

Material Safety Data Sheet

According to EG 1907/2006



Date Updated: 11/01/2008

Version: 1.0

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1. Identification of the substance and of the company	
Product name	Poly(methacrylic acid)
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.:	9003-01-4
EC No.:	-
Molecular formula:	(C3H4O2) _n
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 skin 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.	

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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

Appearance	Physical State:	Solid
	Colour:	-
	Form:	-

Property	Value	At Temperature or Pressure
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	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	

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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 Carbon monoxide, Carbon dioxide.	
HAZARDOUS POLYMERIZATION Will not occur.	
11. Toxicological information	
RTECS NUMBER: AT4680000	
ACUTE TOXICITY	
LD50 Oral Rat 2500 mg/kg	
LD50 Oral Mouse 4600 mg/kg	
LD50 Intraperitoneal Mouse 39 MG/KG	
LD50 Intravenous Mouse 70 MG/KG	
LD50 Oral Guinea pig 2000 mg/kg	
SIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, thr chemical, physical, and toxicological properties have not been thoroughly investigated.	

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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.

CHRONIC EXPOSURE - CARCINOGEN

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

IARC CARCINOGEN LIST

Rating: Group 3

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.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15. Regulatory information

Not hazardous according to Directive 67/548/EEC.

Caution: Substance not yet fully tested (EU).

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 1

ID-Number: 1832

KBwS-Decision

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.