1. Identification of the substance and of the company

Product name Poly(ethyl methacrylate)

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.: 9003-42-3
EC No.: none
Molecular formula: \([\text{CH}_2\text{C(CH}_3\text{(CO}_2\text{C}_2\text{H}_5)]_n\)

3. Hazards identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

4. First aid measures

AFTER INHALATION
If inhaled, remove to fresh air.

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

AFTER EYE CONTACT
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers.

AFTER INGESTION

5. Fire fighting measures

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

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

SPECIAL RISKS

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.
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.
   STORAGE
   Conditions of storage: Keep tightly closed. Store in a cool dry place.

8. Exposure controls / personal protection
   ENGINEERING CONTROLS
   Safety shower and eye bath. Mechanical exhaust required.
   GENERAL HYGIENE MEASURES
   Wash thoroughly after handling. Remove and wash contaminated clothing promptly.
   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 multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.
   HAND PROTECTION
   Compatible chemical-resistant gloves.
   EYE PROTECTION
   Chemical safety goggles.

9. Physical and chemical properties
   Appearance  Physical State:  Solid / Fluid
                Colour: -
                Form: Solid / viscous liquid

   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
   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 in Water: N/A
Solubility: Solvent N/A

10. Stability and reactivity

STABILITY
Materials to Avoid: Strong oxidizing agents, Strong bases.

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

11. Toxicological information

RTECS NUMBER: TR0400000
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
Eye Contact: May cause eye irritation.
Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

12. Ecological information

No data available

13. Disposal considerations

SUBSTANCE DISPOSAL
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

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.
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