

Material Safety Data Sheet

Section 1

Contact Name & Address:

American Polymer Standards Corporation,
8680 Tyler Blvd., Mentor, OH 44060

Product Name: Polyethylene Glycol**CAS #:** 25322-68-3**HMIS RATING:****Health:** 1**Fire:** 1**Reactivity:** 0**Personal Protection:** B**Emergency Telephone No. :**

(440) 255-2211

Synonyms: PEG, Polyoxyethylene, Polyethylene oxide**Formula:** (C₂H₄O)_nH₂O

Section 2 (Physical Data)

Physical Appearance: White Granules, White Paste

like or a clear liquid depending on Molecular weight

Odor: Odorless**Boiling Point:** Not Available**Melting Point:** Not Available**Critical Temperature:** Not Available**Specific Gravity:** Not Available**Vapor Pressure:** Not Available**Vapor Density:** Not Available**Volatility:** Not Available**Solubility:** Soluble in Water

Section 3 (Fire & Explosion Hazards Data)

Flammability of Product: May be combustible at high temperatures.**Auto-Ignition Temp.:** Not Available**Flash Points:** Not Available**Flammable Limits:** Not Available**Products of Combustion:** May include but not limited to Carbon monoxide and carbon dioxide**Fire & Explosion Hazards in Presence of Various Substances:** Not Available**Fire Fighting Media and Instructions:**

Use DRY Chemical Powder, Use water spray, fog or foam. Do Not Use Water Jet! Firefighters must wear SCBA & Full Protective Clothing.

Special Remarks on Fire & Explosion Hazards: During fire, smoke may contain the original material in addition to combustion products of varying composition which maybe toxic and/or irritating. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur.

Section 4 (First Aid Measures)

Eye Contact: Check for & remove contact lenses. Immediately flush eyes with running water for a least 15 min., keeping eyelids open. Seek medical attention.**Skin Contact:** After contact with skin, wash immediately with plenty of water. Seek medical attention is irritation develops.**Inhalation:** Allow the victim to rest in a well ventilated area. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek immediate medical attention.**Ingestion:** If swallowed wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section 5 (Toxicology Information)

Route of Exposure: **Skin:** May cause skin irritation, May be harmful if absorbed through the skin. **Eyes:** May cause eye irritation. May cause allergic skin reaction. **Inhalation:** May be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. **Ingestion:** May be harmful if swallowed.**Toxicity Data:** To the best of our knowledge the chemical, physical & toxicological properties have not been thoroughly investigated.**Toxic to Animals:** Peroral: (LD50): 28000 – 34000 mg/kg (Rat), Percutaneous: (LD50): =>20000 mg/kg (Rabbit), Inhalation: Did not cause birth defects or interfere with reproduction in animals (reproduction interference at very high doses in animals). In animals effects were reported on the kidneys, these effects were only observed at exaggerated doses. May be more harmful to humans than animals.

Chronic Effects on Humans: Did not cause allergic skin reaction when tested in humans.

Other Toxic Effects on Humans: Not Available

Section 6 (Stability & Reactivity Data)

Stability: Product is Stable at typical use temperatures

Instability Temp.: Not Available

Conditions of Instability:

Polymerization: Will not Occur

Hazardous Decomposition of products formed under fire conditions: Carbon dioxide, Alcohols, Ethers, Aldehydes, Carboxylic acids

Incompatibility with various substances: Avoid contact with Strong acids, strong bases, and strong oxidizers.

Section 7 (Accidental Release Measures)

Spill: Use appropriate tools to clean spill. Store spilled material in a suitable container for disposal.

Disposal: Consult and follow local and regional authority requirements

Section 8 (Special Protection Information)

Personal Protection: Splash goggles, Lab coat, Gloves and Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Exposure Limits: List – WEEL Type – Time Weighted Average Value – 10 mg/m³

Other Protective Equipment: Rubber Boots, Safety Shower and Eye Bath after clean up.

Other Precautions: Use protective clothing, gloves, safety goggles and mask. Wash thoroughly after handling.

Section 9 (Storage & Handling)

Handling: Use good housekeeping procedures. Normal measures for preventive fire protection.

Storage: Keep container dry and tightly closed. Keep in a cool place that is well- ventilated.

Section 10 (Transport & Regulatory Information)

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered non-hazardous for transport.

Non-Hazardous for Air Transport: This substance is considered non-hazardous for air transport

USA Regulatory Information

SARA Listed: No

TSCA Inventory Listed: On the TSCA Inventory or exempt for TSCA Inventory requirements

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazards criteria of the CPR, and the MSDS contains all the information required by the CPR.

DISCLAIMER: For R&D use only. Not for use in Food, Drugs or Cosmetics. The information contained in this MSDS is the most accurate and complete information available to us. APSC expresses or implies no warranty to the information provided and assumes no liability. The material covered in this MSDS is only provided 1 gram quantities and is not expected to pose any health or environmental risks based on these quantities.

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