

Material Safety Data Sheet

Section 1

Contact Name & Address:

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

Product Name: Polyethylene**CAS #:** 9002-88-4**HMIS RATING:** **Health:** 0 **Fire:** 1 **Reactivity:** 0 **Personal Protection:** B**Emergency Telephone No. :**

(440) 255-2211

Synonyms: PE, BRPE, UHMWPE**Formula:** (C₂H₄)_n

Section 2 (Physical Data)

Physical Appearance: Solid to Pellet (depending on Mw) **Odor:** Slight**Boiling Point:** Not Available**Critical Temperature:** Not Available**Vapor Pressure:** Not Available**Volatility:** Not Available**Melting Point:** 92°C - 122°C**Specific Gravity:** Not Available**Vapor Density:** Not Available**Solubility:** Insoluble 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:****Fire & Explosion Hazards in Presence of Various Substances:****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:** Fire point is around 300°C. When material melts in cases of fire it will cause floors to be slippery.

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 if irritation develops. Exposure to molten resin may cause thermal burns. If molten material comes in contact with the skin cool under ice water or a running stream of water. DO NOT attempt to remove the material from the skin. Removal could result in server tissue damage.**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:** Not Available**Chronic Effects on Humans:** Not Available**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: None Known **Polymerization:** Will not Occur
Hazardous Decomposition of products formed under fire conditions: CO, CO2 and combustible gases may be generated.
Incompatibility with various substances: Avoid strong oxidizing agents

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: Not Available (AVOID BRATHING DUST)
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 is not subject to WHMIS classification.

DSL: Yes

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