

Material Safety Data Sheet

Section 1

Contact Name & Address:

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

Emergency Telephone No. :

(440) 255-2211

Product Name: Polyacrylonitrile**Synonyms:** PAN**CAS #:** 25014-41-9**Formula:** (C₃H₂N)_n**HMIS RATING:****Health:** 1**Fire:** 0**Reactivity:** 0**Personal Protection:** B

Section 2 (Physical Data)

Physical Appearance: White Powder**Odor:** Slight**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:** 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:** Not Available**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:** As with most organic powders, under severe dusting conditions, this material may form explosive mixtures in air.

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:** Acute oral toxicity (LD50): 11000mg/kg (Rat)**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: Decomposes at temperatures above 150°C **Polymerization:** Will not Occur
Hazardous Decomposition of products formed under fire conditions: Not Available
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: NO INFORMATION AVAILABLE

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