

Material Safety Data Sheet

Section 1

Contact Name & Address:

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

Product Name: Nylon 6/6

CAS #: 32131-17-2

HMIS RATING:

Health: 1

Fire: 1

Reactivity: 0

Personal Protection: B

Emergency Telephone No. :

(440) 255-2211

Synonyms: N; Polyamide: Adipic Acid;

Hexamethylenediamine

Formula: [-NHCH₂CH₂CH₂CH₂CH₂C-]_n

Section 2 (Physical Data)

Physical Appearance: Opaque Pellets

Boiling Point: Not Available

Critical Temperature: Not Available

Vapor Pressure: Not Available

Volatility: Not Available

Odor: Odorless

Melting Point: Not Available

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: Not Available

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: Emits toxic fumes under fire conditions. Potential for dust explosion may exist.

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 severe 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: No adverse health effects expected from ingestion.

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: Excess heat, dust generation, incompatible materials. **Polymerization:** Will not Occur

Hazardous Decomposition of products formed under fire conditions: Carbon oxides, Nitrogen oxides, Ammonia, Hydrogen cyanide, aldehydes

Incompatibility with various substances: Reactive with strong oxidizing agents and strong bases

Section 7 (Accidental Release Measures)

Spill: Spilled material should be swept up and discarded. Advise local authorities if spilled in a waterway or sewer. Skim from surface of water if possible. Spilled material is a slipping hazard.

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

DSL: Yes

NDSL: No

DISCLAIMER: 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 in 250 milligram quantities and is not expected to pose any health or environmental risks based on these quantities.

Last Updated: 8/22/2011