



AMERICAN PLASTICS

800-772-7401

Material Safety Data Sheet

SUPPLIER NAME: AMERICAN PLASTICS (800)772-7401
525 113th STREET ARLINGTON, TX 76011

COMMERICAL PRODUCT NAME: HOMOPOLYMER POLYPROPYLENE
NATURAL

Typical Uses: Sheet for Thermoforming

CHEMICAL CONSTITUTION OF PRODUCT: Polypropylene

PHYSICAL PROPERTIES:

Boiling Point: N/A
Vapor Density: N/A
Vapor Pressure: N/A
pH: N/A
Solubility in Water: Negligible, below 0.1%
Melting Point: 320° F (160° C)
Specific Gravity (Water = 1): 0.90
Form: Pellets
Appearance: Sheets
Color: White (Natural)
Odor: No appreciable odor

STORAGE AND HANDLING:

Precautions During Storage and Handling:

Hazardous Combustion and Decomposition Products:

When handling, use with adequate ventilation. Material is slippery under foot. No special re-quirements for storage. Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products. The major decomposition products are low molecular weight oligomers (C6-18) of polypropylene. Degradation products may include trace amounts of acrolein, formaldehyde, aldehydes, and other organic vapors. Avoid chlorine, fluorine and other strong oxidizers. Hazardous polymerization will not occur.

Disposal Procedures:

Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

Individual Preventive Measures:

Special toxicity tests have not been conducted on this product. Hazard evaluation is based on information from similar products, the ingred-i-ents, technical literature, and/or professional experience. Dense dust generated by the handling and/or processing of this material may be irritating to the eyes, skin, nose and throat. No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC.)
Eye Contact: Particles or fibers may cause slight discomfort similar to getting dust in the eye. Use of eye protection is good practice.



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Homopolymer Polypropylene (Natural) MSDS (Cont'd)

Individual Preventive Measures (Continued):

Skin Contact: Particles or fibers may cause slight discomfort similar to rubbing sand against the skin. Heated material can cause thermal burns. Use of protective gloves/clothing is good practice.

Inhalation: No significant irritation expected other than possible mechanical irritation. Use with adequate ventilation. If general ventilation is inadequate, local exhaust ventilation should be used to dispose of vapors from hot processing equipment, particularly during purging. Control airborne concentrations below the exposure guidelines. CAS# 9003-07-0. Exposure limit:- OSHA Total Dust: 15 mg/m³ (particulate NOC). OSHA Respirable Dust: 15 mg/m³ (particulate NOC). ACGIH TLV-TWA: 10 mg/m³ (total/nuisance dust.)

Ingestion: No significant health hazards identified.

IGNITION AND EXPLOSION:

Flash Point:

Greater than 500° F (260° C)

Auto-Ignition Temperature:

735° F (388° C)

Flammability Classification:

None

UEL & LEL:

Not determined

Special Fire, Explosion Hazard:

High dust concentrations have a potential for combustion or explosion. High-voltage static electricity buildup and discharge must be avoided when significant quantities of dust are present. Take precautionary measures against static discharges, including thorough electrical interconnecting, grounding of equipment, and conveyance, under inert gas. Keep away from sources of ignition (e.g., heat and open flames.)

Extinguishing Media:

Agents approved for Class A hazards (e.g., halogenated agents, foam, steam) or water fog.

Special Fire Fighting Instructions:

Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

FIRST AID PROCEDURES:

Eye: Flush eyes with plenty of water.

Skin: Wash exposed skin with soap and water. Do not try to remove hot plastic from skin. Get medical attention.

Inhalation: If adverse effects occur, remove to uncontaminated area & get medical attention.

Ingestion: If a large amount is swallowed, get medical attention.

ENVIRONMENT PROTECTION:

To be disposed of in accordance with the appropriate legislation.