



# AMERICAN PLASTICS

800-772-7401

## Material Safety Data Sheet

<b>SUPPLIER NAME:</b>	AMERICAN PLASTICS (800)772-7401 525 113th STREET ARLINGTON, TX 76011
<b>COMMERICAL PRODUCT NAME:</b> Typical Uses:	<b>THE ORIGINAL MODIFIED POLYETHYLENE</b> Sheet for Thermoforming
<b>CHEMICAL CONSTITUTION OF PRODUCT:</b>	Polyethylene CAS#9002-88-4 96, 100% Various Pigments, 0 - 4%
<b>PHYSICAL PROPERTIES:</b> <b>Boiling Point, Vap. Press, Vap, Density:</b> <b>Solubility in Water:</b> <b>Sp. Gravity:</b> <b>Form:</b> <b>Appearance:</b> <b>Color:</b> <b>Odor:</b>	N/A Nil 0.94 - 0.98 Pellets Sheets White (Natural) Very slight
<b>STORAGE AND HANDLING:</b> <b>Precautions During Storage and Handling:</b>	Avoid temperatures over 325°C/ 615°F. This may release combustible and toxic gases. Avoid strong oxidizing materials, they may burn or re- act violently with fluorine-oxygen mixtures with 50 to 100% fluorine. Avoid storing near foodstuffs due to the possibility of odor and taste contamination of the food. Do not store near heating devices, hot pipes, etc. With proper ventilation these products can be stored or processed without exposing employees to unacceptable monomer levels. The gaseous emissions from forming and fabrication should not be discharged into the work areas. These materials should be exhausted, under controlled ventilation, to the outside of the building.
<b>Hazardous Combustion and Decomposition Products:</b>	Thermal decomposition products may include C, CO, Co 2, H2O and organic vapors. Hazardous polymerization will not occur.
<b>Disposal Procedures:</b>	All recovered material should be packaged, labeled, transported and disposed of, or re-claimed in conformance with good engineering practices. Reclaim where possible.
<b>Individual Preventive Measures:</b>	Safety glasses and gloves recommended, particularly when handling hot polymer. Long sleeved cotton shirts and long pants are advisable when handling hot, molten polymer to prevent contact with skin. Wash hands before breaks and at the end of workday. General precaution for all plastics and elastomers: do not breathe fumes from hot polymer. Respirator not required under normal conditions.



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### THE ORIGINAL MODIFIED POLYETHYLENE MSDS CONTINUED

#### Symptoms of Over-Exposure (Continued):

Skin Contact: Fumes and vapors emitted from the hot plastic during forming operations may condense on cool overhead metal surfaces or structures, usually in the form of a soft, grease-like, semi-solid. May contain substances which can be irritating and toxic. Avoid contact of that material with the skin. Wear rubber or other impermeable protective gloves when cleaning contaminated surfaces. Wash hands with soap and water before eating and at the end of the work day. (See additional information under "First Aid Procedures".)

Eye Contact: Vapors and fumes from hot melt processing may cause irritation.

Ingestion: Not acutely toxic. Not a probable route of exposure.

Local exhaust recommended for hot melt applications.

#### Special Protective Measures:

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#### IGNITION AND EXPLOSION:

Flash Point:

N/A

Flammable Limits (LFL & UFL):

N/A

Special Fire, Explosion Hazard:

Sustained temperatures above 615° F may result in a material breakdown into flammable gaseous products. This is a surface burning product.

Extinguishing Media:

Water fog, carbon dioxide, foam, dry chemicals.

(Application of high velocity water will spread the burning surface layer.)

Special Fire Fighting Instructions:

Use positive-pressure, self-contained breathing apparatus approved by NIOSH or MSHA.

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#### FIRST AID PROCEDURES:

Inhalation: If affected by vapors, move to fresh air and refer to a physician for treatment.

Skin contact: Treat as a thermal burn without chemical action. Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Obtain medical attention for thermal burns.

Eye Contact: Flush immediately with large amounts of water for at least 15 minutes. If irritation persists, contact physician.

Ingestion: Not a probable route of exposure. However, keep person warm and at rest. Obtain medical attention. Certain heavy-metal salts, present as color pigments and based upon cadmium, chromium, copper, lead, or mercury metals, may be present in some colored sheets. Those ingredients are essentially mixed into the plastic and are unlikely to contribute either to pollution of soils and waters or to personnel handling hazards.

#### ENVIRONMENT PROTECTION:

Do not discharge into sewers or in the environment. To be disposed of in accordance with the appropriate legislation.

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#### SPECIFIC DATA:

Transport: not regulated.