

# 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:** CO-POLYMER POLYPROPYLENE  
BLACK

**Typical Uses:** Sheet for Thermoforming

**CHEMICAL CONSTITUTION OF PRODUCT:** Propylene/Ethylene Co-Polymers

### PHYSICAL PROPERTIES:

<b>Molecular/Chemical Formula:</b>	Mixture	<b>Bulk Density:</b>	N/A
<b>Freezing Point:</b>	N/A	<b>Octanol/Water Partition coefficient:</b>	N/A
<b>Water/Oil Distribution Coefficient:</b>	N/A	<b>Boiling Point:</b>	N/A
<b>Vapor Density:</b>	N/A	<b>Vapor Pressure:</b>	Negligible
<b>pH Value:</b>	N/A	<b>Solubility in Water:</b>	Negligible
<b>Reactivity in Water:</b>	N/A	<b>% Volatile (Vol.):</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>Physical State:</b>	Solid
<b>Appearance:</b>	Sheets	<b>Color:</b>	Black
<b>Odor:</b>	Odorless	<b>Odor Threshold:</b>	N/A
<b>Melting Point:</b>	160-170° C (320-340° F) (softening)		
<b>Specific Gravity (Water = 1):</b>	0.90 - 0.91 (@ 25° C)		

### STORAGE AND HANDLING:

#### Precautions During Storage and Handling:

Avoid excessive breathing of vapors, fumes and smoke which may be released during thermal processing. Store in cool, dry area.

#### Hazardous Combustion and Decomposition Products:

Stable material with no known conditions to avoid. Hazardous decomposition products are: carbon dioxide, carbon monoxide, organic oxidation products, acrid smoke and fumes. Incompatible with potassium permanganate, liquid chlorine, fuming nitric acid and other strong oxidizing agents. Hazardous polymerization will not occur with no known conditions to avoid.

#### Disposal Procedures:

Dispose of in accordance with local, state and federal requirements.

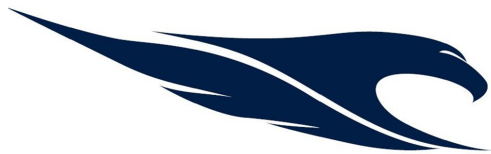
#### Individual Preventive Measures:

Generally recognized as a low potential industrial hazard. Inhalation of vapors from thermal processing may cause irritation to the upper respiratory tract. Relevant route of exposure is inhalation.

**Signs and symptoms of acute overexposure:** Inhalation of fumes, vapors and smoke from thermal processing may cause irritation to the upper respiratory tract. Symptoms may include burning sensation, coughing and sore throat. Molten resin may cause severe thermal burns to the eyes and skin. Symptoms may include redness, pain, blistering, and swelling of the affected areas.

**Signs and symptoms of chronic overexposure:** No known chronic health effects have been observed with normal product use.

**Medical conditions generally aggravated by exposure:** Individuals with chronic respiratory disorders may be adversely affected by any fume or airborne particulate matter exposure. Persons with preexisting skin disorders may be more susceptible to the effects of this material.



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## CO-POLYMER POLYPROPYLENE (BLACK) MSDS CONTINUED

### Individual Preventive Measures (Continued):

Local exhaust ventilation should be used to control the emission of air contaminants. Respiratory protection approved by NIOSH/MSHA for protection against organic vapors and dusts/mists should be used to avoid inhalation of excessive air contaminants.

**Eye Contact:** Transient irritation from contact with product. Possible irritation from decomposition and processing fumes. Thermal burns from molten material. Employees should be required to wear chemical safety goggles/glasses to prevent eye contact. A face shield should be used when appropriate to prevent contact with molten polypropylene.

**Skin Contact:** Thermal burns from molten material. When necessary, garments for protection against hot materials should be used to prevent skin contact with molten propylene.

**Ingestion:** Product in marketed form is inert.

**Inhalation:** Prolonged or repeated exposure from thermal processing may cause irritation to the upper respiratory tract.

**Other Protective Clothing/Equipment:** Emergency eye wash stations should be available in the work area. General dilution ventilation may assist with the reduction of air contamination concentrations.

**Carcinogenicity:** NTP: N/A - IARC: N/A - OSHA: N/A - ACGIH: N/A - OTHER: N/A

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### IGNITION AND EXPLOSION:

**Flash Point:**

N/A

**Flammable Limits in Air (% by Volume):**

N/A

**Unusual Fire and Explosion Hazards:**

Combustion products may be hazardous.

**Extinguishing Media:**

Use water spray, carbon dioxide or dry chemicals.

**Fire Fighting Instructions:**

Polypropylene is a slow burning plastic which emits a dense black smoke. Firefighters should wear self-contained breathing apparatus and protective clothing when fighting fires of this type.

**Known or Anticipated Hazardous Products of Combustion:**

Combustion products may include carbon dioxide, carbon monoxide and acrid smoke and fumes.

**Accidental Release Measure and Methods for Cleanup:**

If released or spilled, sweep up and place loose material in labeled container.

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### FIRST AID PROCEDURES:

**Eye:** Flush immediately with plenty of cool water for at least 15 minutes. Call a physician.

**Skin:** For thermal burns, immediately flush with plenty of cold water. If possible, submerge affected areas in cold water. Call a physician.

**Inhalation:** For overexposure to heated resins, remove from exposure. If breathing is difficult, or has stopped, administer artificial respiration (mouth-to-mouth) or oxygen as indicated. Call a physician.

**Ingestion:** Product in its marketed form is inert. No special first aid procedures necessary.