

**Material Safety Data Sheet  
Polypropylene (PP)**

**Section 1 – Chemical Name**

Product Name: Amoco Polypropylene

**Section 2 – Composition/Information on Ingredients**

Component	CAS #	Range % by Weight
Polypropylene	9003-07-0	>99

*(See Section 8 – Exposure Controls/Personal Protection for exposure guidelines)*

**Section 3 – Hazards Identification**

Emergency Overview – This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

Potential Health Effects:

Eye Contact: No significant health hazards identified. Articles or fibers may cause slight discomfort similar to getting dust in the eye.

Skin Contact: No significant health hazards identified. Particles or fibers may cause slight discomfort similar to rubbing sand against the skin. Heated material can cause thermal burns.

Inhalation: No significant expected other than possible mechanical irritation.

Ingestion: No significant health hazards identified.

HMIS Code: (Health = 0) (Flammability = 1) (Reactivity = 0)

NFPA Code: (Health = 0) (Flammability = 1) (Reactivity = 0)

**Section 4 – First Aid Measures**

Eye: Flush eyes with plenty of water.

Skin: Wash exposed skin with soap and water. Get medical attention.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention promptly.

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

**Section 5 – Fire Fighting Measures**

Flashpoint: Greater than 500°F (260°C)

UEL: Not determined

LEL: Not determined

Auto-Ignition Temperature: 735°F (388°C)

Flammability Classification: None

Extinguishing Media: Agents approved for Class A hazards (e.g., foam, steam) or water fog.

Unusual Fire and Explosion Hazards: 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.

Fire Fighting Equipment: Fire fighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.

Precautions: Take precautionary measures against static discharges, including thorough electrical inter-connecting, grounding of equipment and conveyance, under inert gas. Keep away from sources of ignition (e.g., heat and open flames)

Hazardous Combustion Prod: Incomplete burning can produce Carbon Monoxide and/or Carbon Dioxide and other harmful products.

**Section 6 – Accidental Release Measures**

Vacuum or sweep out; avoid producing dust. Increase ventilation if possible.

**Section 7 – Handling and Storage**

Handling: Use with adequate ventilation. Material is slippery under foot.  
 Storage: No special requirements.

**Section 8 – Exposure Controls/Personal Protection**

Eye: None required; however, use of eye protection is good industrial practice.

Skin: None required; however, use of protective gloves/clothing is good industrial practice.

Inhalation: 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.

Engineering Controls: Control airborne concentrations below the exposure guidelines.

Exposure Guidelines:

Component	CAS #	Exposure Limits
Polypropylene	9003-07-0	OSHA Total Dust: 15 mg/m <sup>3</sup> (particulate NOC) OSHA Respirable Dust: 15 mg/m <sup>3</sup> (particulate NOC) ACGIH TLV-TWA: 10 mg/m <sup>3</sup> (total/nuisances dust)

**Section 9 – Chemical and Physical Properties**

Appearance and Odor: Pellets  
 pH: Not determined  
 Vapor Pressure: Not determined

Vapor Density:	Not determined
Boiling Point:	Not determined
Melting Point:	320°F (160°C)
Solubility in Water:	Negligible, below 0.1%
Specific Gravity (Water=1):	0.90

### Section 10 – Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None identified
Materials to Avoid:	Avoid Chlorine, Fluorine and other strong oxidizers
Hazardous Decomposition:	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.
Hazardous Polymerization:	Will not occur

### Section 11 – Toxicological Information

#### Acute Toxicity Data:

Eye Irritation:	Testing not conducted. See Other Toxicity Data.
Skin Irritation:	Testing not conducted. See Other Toxicity Data.
Dermal LD50:	Testing not conducted. See Other Toxicity Data.
Oral LD50:	Testing not conducted. See Other Toxicity Data.

#### Other Toxicity Data:

Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, 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).

### Section 12 – Ecological Information

Ecological testing has not been conducted on this product.

### Section 13 – Disposal Information

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

#### Section 14 – Transportation Information

U.S. Department of Transportation

Shipping Name: Not regulated

International Information

Sea (IMO/IMDG)

Shipping Name: Not regulated

Air (ICAO/IATA)

Shipping Name: Not regulated

European Road/Rail (ADR/RID)

Shipping Name: Not regulated

Canadian Transportation of Dangerous Goods

Shipping Name: Not regulated

#### Section 15 – Regulatory Information

Cercla Sections 102A/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): Defined as non-hazardous by OSHA under 29 CFR 1910.1200(d)

SARA Title III Section 313 (40 CFR Part 372): This product is not regulated under Section 313 of SARA and 40 CFR Part 372

U.S. Inventory (TSCA): Listed on inventory

OSHA Hazard Communication Standard: Not hazardous per 29 CFR 1910.1200(d)

WHMIS Controlled Product Classification: Not a controlled product under Canada's Workplace Hazardous Material Information System

EC Inventory (EINECS/ELINCS): In compliance

Japan Inventory (MITI): Listed on inventory

Australia Inventory (AICS): Listed on inventory

Korea Inventory (ECL): Listed on inventory

Canada Inventory (DSL): All of the components of this product are listed on the DSL

Philippine Inventory (PICCS): Not determined

**Section 16 – Other Information**

Various grades of Amoco Polypropylene meet FDA and USDA regulations. Information concerning compliance with a specific FDA regulation or USDA approval can be obtained by request.

This product does not contain chemicals listed by The California Safe Drinking Water and Toxic Enforcement Act of 1985 (Proposition 65) as causing cancer or reproductive toxicity.

Amoco Polypropylene Heavy Metal Content, see below:

<b>Metal</b>	<b>Detection Limit (ppm)</b>	<b>Concentration (ppm)</b>
Lead (Pb)	10	ND
Cadmium (Cd)	5	ND
Mercury (Hg)	10	ND
Chromium (Cr)	10	ND
Nickel (Ni)	5	ND
Antimony (Sb)	2	4
Barium (Ba)	5	ND
Arsenic (As)	5	ND
Silver (Ag)	5	ND

ND = None detected