

MATERIAL SAFETY DATA SHEET



AMOCO POLYPROPYLENE
All Unfilled Grades
MSDS No. 08029 REST OF WORLD ENGLISH

1.0 Chemical Product and Company Identification

PRODUCT NAME: AMOCO POLYPROPYLENE

Manufacturer/Supplier:
Amoco Chemical Asia Pacific Ltd. (ACAP)
22nd Floor, Devon House
Taikoo Place
979 King's Road, Quarry Bay
Hong Kong
Tel: +852-2586-8899

Emergency Number:
+852-8101-4548

Other Product Safety Information:
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2.0 COMPOSITION/INFORMATION ON INGREDIENTS

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

(See Section 8.0, "Exposure Controls/Personal Protection", for exposure guidelines)

3.0 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product has been evaluated and does not require any hazard warning on the label.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: No significant health hazards identified. Particles 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 irritation expected other than possible mechanical irritation.

INGESTION: No significant health hazards identified.

4.0 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.

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

5.0 FIRE FIGHTING MEASURES

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

PRECAUTIONS: 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).

HAZARDOUS COMBUSTION PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.

6.0 ACCIDENTAL RELEASE MEASURES

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

7.0 HANDLING AND STORAGE

HANDLING: Use with adequate ventilation. Material is slippery under foot.

STORAGE: No special requirements.

8.0 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	ACGIH TLV-TWA: 10 mg/m ³ (total/nuisance dust)

9.0 CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Pellets. White.

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

FLAMMABILITY CLASSIFICATION: None

UEL: Not determined.

LEL: Not determined.

AUTOIGNITION TEMPERATURE: 735°F (388°C)

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

10.0 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.

11.0 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.

INHALATION LC50: 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 at levels greater than 0.1% is identified as a carcinogen by ACGIH or IARC.

12.0 ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

13.0 DISPOSAL INFORMATION

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

14.0 TRANSPORTATION INFORMATION

Sea (IMO/IMDG)

Shipping Name Not Regulated

Air (ICAO/IATA)

Shipping Name Not Regulated

European Road/Rail (ADR/RID)

Shipping Name Not Regulated

U.S. DEPT OF TRANSPORTATION

Shipping Name Not Regulated

Canadian Transportation of Dangerous Goods

Shipping Name Not Regulated

15.0 REGULATORY INFORMATION

EC INVENTORY (EINECS/ELINCS): In compliance.

JAPAN INVENTORY (MITI): Listed on inventory.

AUSTRALIA INVENTORY (AICS): Listed on inventory.

U.S. INVENTORY (TSCA): 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.

16.0 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 1986 (Proposition 65) as causing cancer or reproductive toxicity.

Amoco Polypropylene HEAVY METAL CONTENT, see below:

METAL	Detection Limit (ppm)	Concentration (ppm)
Lead (Pb)	10	ND*
Cadmium (Cd)	5	ND
Mercury (Hg)	10	ND
Chromium (Cr)	5	ND
Nickel (Ni)	2	4
Antimony (Sb)	5	ND
Barium (Ba)	5	ND
Arsenic (As)	5	ND
Silver (Ag)	5	ND
		*ND = NONE DETECTED

Prepared By:
Product Stewardship

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NOTICE : This Material Safety Data Sheet is based upon data considered to be accurate as at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product.