MATERIAL SAFETY DATA SHEET

AMOCO ACCTUF™ POLYPROPYLENE IMPACT COPOLYMERS
All Unfilled Grades

MSDS No. 10688000 ANSI/ENGLISH

1.0 Chemical Product and Company Identification

PRODUCT NAME: AMOCO ACCTUF™ POLYPROPYLENE IMPACT COPOLYMERS

Manufacturer/Supplier:

Amoco Chemical Company
200 East Randolph Drive
Chicago, Illinois 60601 U.S.A.

Emergency Health Information:
1 (800) 447-8735

Emergency Spill Information:
1 (800) 424-9300 CHEMTREC (USA)

Other Product Safety Information:
(312) 856-3304

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Range % by Wt.
Polypropylene copolymer	9010-79-1	>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 under OSHA criteria.

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.

HMIS CODE: (Health:0) (Flammability:1) (Reactivity:0)

NFPA CODE: (Health:0) (Flammability:1) (Reactivity:0)

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

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

UEL: Not determined.

LEL: Not determined.

AUTOIGNITION TEMPERATURE: 735°F (390°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: 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.

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.

7.0 HANDLING AND STORAGE

HANDLING: 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 copolymer	9010-79-1	OSHA TOTAL DUST: 15 mg/m³ (particulate NOC) OSHA RESPIRABLE DUST: 15 mg/m³ (particulate NOC) ACGIH TLV-TWA: 10 mg/m³ (nuisance dust)

9.0 CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE AND ODOR: Pellets. White. Odorless.

pH: Not determined.

VAPOR PRESSURE: Not determined.

VAPOR DENSITY: Not determined.

BOILING POINT: Not determined.

MELTING POINT: 257-330°F(125-165°C)

SOLUBILITY IN WATER: Negligible, below 0.1%.

SPECIFIC GRAVITY (WATER=1): 0.9

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 oligmers (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.

When tested for eye irritation in rabbits, a similar product caused a score of 14/110 at one hour and 0/110 at 96 hours, indicating negligible eye irritation. Protect eyes from mechanical abrasion if dust is generated. Dust may also irritate skin through abrasion although a similar product showed no skin irritation, scoring 0/8 in rabbits.

The acute toxicity of this class of materials is very low. The oral LD50 (rats) for a similar product is greater than 34,600 mg/kg (no deaths occured when tested at this single dose level). The dermal LD50 (rabbits) for a similar product was greater than 10,250 mg/kg (no deaths occurred when tested at this single dose level). Chronically, oral administration (dog) of a similar product for two years at a dosage of 1,000 mg/kg/day did not reveal any abnormal findings.

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).

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

U.S. DEPT 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

15.0 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.

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.

Prepared by:

Environment, Health and Safety Department

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This material Safety Data Sheet conforms to the requirements of ANSI Z400.1.