Fiber Technologies, LLC

730 A Avenue
Seymour IN 47274
USA
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MATERIAL SAFETY DATA SHEET

Material Name: **AP 101 & 202** Date: October 3, 2004

-Hazard summary (as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200):
Physical Hazards: None
Health Hazards: Inhalation (TLV)
Read the entire Material Safety Data Sheet for a more thorough evaluation of the hazards.

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **AP101/202**
Trade Name: AP101 AP202
Chemical Characterization: Powdered or Granular

Recommended Use: Impact Modification of Polymers

Usage Restrictions: None

Hazard classification: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Label Elements:

Signal word: Not applicable.
Symbols: Not applicable.
Pictograms: Not applicable.

Effective Date: 1-1-15
Supplier:
Fiber Technologies LLC
2517 Caray Ct
Bloomington IN
812-569-4641

24 Hr. Emergency Telephone Numbers
812-569-4641

SECTION 2 HAZARDS IDENTIFICATION

NFPA Rating: Health: 2, Flammability: 1, Reactivity: 0
HMIS Classification: Health: 2, Flammability: 1, Reactivity: 0
Emergency Overview: Dust from this product may be harmful if inhaled. High-heat processing may liberate toxic gases. See sections 4, 5 and 10 for more information on thermal decomposition products.
Potential Health Effects:
Inhalation: High concentrations of airborne dust may cause irritation to the respiratory tract.
Ingestion: Ingestion may cause irritation to the gastrointestinal tract.
Eye Contact: May cause irritation to the eyes due to mechanical abrasion of particles.
Skin Contact: Generally does not cause skin irritation.
Medical Conditions Aggravated by Exposure:
None known
Skin and Body Protection: Wear full-length work clothes to prevent skin contact. Launder on a routine basis. Do not bring work clothes home.

SECTION 3 COMPOSITION-INFORMATION ON INGREDIENTS

Polytetrafluoroethylene (CAS 9002-84-0)	Not listed
Molybdenum sulfide (CAS 1317-33-5)	10 mg/m^3

Ingredients not precisely identified are proprietary or nonhazardous. All ingredients appear on the EPA TSCA Inventory. Values are not product specifications. gt = greater than, lt = less than, ca = approximately

SECTION 4 FIRST AID MEASURES

Inhalation: Move to fresh air and monitor for symptoms. If cough or irritation develops, give a glass of water. Never give anything by mouth to an unconscious person. If symptoms persist seek medical attention.
Skin Contact: Wash material from the skin with plenty of soap and water.
Eye Contact: Flush eyes with plenty of water while holding eyelids open.
Ingestion: If person is conscious, rinse mouth with water. Never give anything by mouth to an unconscious person.
Notes to Physician: High heat processing of this product liberates thermal decomposition gases, which when Inhaled can result in polymer fume fever. This condition is characterized by influenza type symptoms (fever, cough and malaise), which usually occurs within a few hours and resolves within 48 hours. Following severe exposure the patient should be kept under medical surveillance for at least 48 hours since delayed pulmonary edema may develop.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use media suitable for surrounding fire.
Product does not support combustion or flame
Unusual Fire and Explosion Hazards:
None known
Hazardous Decomposition Products:
See Section 10.
Flash Point (°F): Not applicable
Flash Point (°C): Not applicable
Auto ignition Temperature (°F): Not applicable
Flammable Limits in Air
Lower (%): Not applicable
Upper (%): Not applicable
Firefighter Protective Equipment: Wear a self-contained breathing apparatus (SCBA) to prevent inhalation of toxic thermal decomposition products. Wear all appropriate Fire Fighting PPE

Specific Methods: Evacuate area and restrict access to area.
Use firefighting methods suitable for surrounding fire. Product does not readily burn. Keep containers cool with water spray if possible.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

Wear respiratory protection during clean-up. Sweep up and recover or mix material with moist absorbent and shovel into waste container. Wash down spill area with hot water containing detergent and flush away with water to a sewer serviced by a wastewater treatment facility.

Respiratory Protection: Wear a NIOSH approved air-purifying respirator when needed to maintain dust exposures below the limits found in Section-2. Series-100 or HEPA filters are recommended.

NOTE: A supplied-air respirator or self-contained breathing apparatus (SCBA) must be used to protect against thermal decomposition products.

Skin and Body Protection: Wear full-length work clothes to prevent skin contact. Launder on a routine basis. Do not bring work clothes home.

Disposal Method

Discarded product is not a hazardous water under RCRA, 40 CFR 261. Keep PTFE material waste in separate container and do not incinerate.

Container Disposal

Empty container retains product residue. Observe all hazard precautions. Do not distribute, make available, furnish, or reuse empty container except for storage and shipment of original product. Remove all product residue and puncture or otherwise destroy empty container before disposal.

SECTION 7 HANDLING AND STORAGE

Safe Handling Precautions: Avoid creating dust and heating above 260°C If these conditions cannot be avoided, use adequate ventilation to capture dust or decomposition products at the source.
Safe Storage Conditions: Keep containers tightly closed in a cool, well-ventilated place.
Incompatible Products: None known

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation in your process to capture dust or thermal decomposition gases at their source. Refer to the ACGIH Guide to Industrial Ventilation for design assistance.
Hand Protection: Rubber gloves
Eye Protection: Wear tightly-fitting safety goggles in a dusty environment.
Hygiene Measures: Avoid contact with skin, eyes and personal clothing. Do not contaminate tobacco products. Wash hands thoroughly before eating.
Exposure Limit Particulates (Not Otherwise Regulated) with the following generic exposure limits: OSHA PEL: 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).
Personal Protective Equipment:
Respiratory Protection: Wear a NIOSH approved air-purifying respirator when needed to maintain dust exposures below the limits found in Section-2. Series-100 or HEPA filters are recommended.

NOTE: A supplied-air respirator or self-contained breathing apparatus (SCBA) must be used to protect against thermal decomposition products.
Skin and Body Protection: Wear full-length work clothes to prevent skin contact. Launder on a routine basis. Do not bring work clothes home.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Product Name: AP101/202

Flash Point (°F): Not applicable
Boiling Point/Range: 915 K at 101.325 kPa.
Appearance: Powder or granular material
Melting Point/Range: 320 degrees Celsius (620 degrees Fahrenheit)
Color: Gray
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Odor: Not applicable
Solubility in Water: Insoluble
Odor: None
Solubility in Other Solvents: Insoluble in all common solvents.

SECTION 10 STABILITY AND REACTIVITY

Stability: Decomposes in open air or in nitrogen above 400 °C
Conditions to Avoid: To avoid thermal decomposition, do not overheat.
Materials to Avoid: Reacts with molten alkali metals and finely divided magnesium and aluminum at temperatures above 425 Deg. C
Hazardous Decomposition Products:
Thermal decomposition of this product (at temperatures above 300C.) will generate hydrogen fluoride, which is corrosive.
Polymerization: None under normal processing

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY AND SKIN DESIGNATION

Component Name CAS-NO NIOSH - Selected LD50s & LC50s ACGIH 2000 - Skin Absorption Designation
PTFE 9002-84-0 = 45 mg/m³ Inhalation LC50 Rat 30 min No Data Available

CHRONIC TOXICITY

Carcinogenic effects: Tetrafluoroethylene, is known to the state of California to cause cancer.
Mutagenic effects: No data is available on the product itself.
Reproductive toxicity: No data is available on the product itself.

CARCINOGENIC STATUS

Component Name IARC Carcinogens ACGIH 1999 - Carcinogens OSHA - Select Carcinogens NTP Eighth Report - Known Carcinogens
PTFE Not Listed

SECTION 12 ECOLOGICAL INFORMATION

Mobility: The product is insoluble and sinks in water.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with federal, state and local regulations. This product is not a hazardous waste under RCRA, 40 CFR 261 in its original form. If this product is mixed with other materials and/or physically changed, it should be evaluated to assure that the resulting mixture/material does not meet the criteria for listing hazardous waste as specified in 40 CFR 261.11.

Contaminated packaging: Empty containers should not be used for materials other than the original product. A qualified drum management or solid waste disposal contractor should be used to assure proper handling of empty containers.

SECTION 14 TRANSPORT INFORMATION

U.S. Department of Transportation DOT - Substances From 49 CFR 172.101
DOT Classification: Not regulated
Air transport: Not regulated
ICAO/IATA
DOT Classification: Not regulated

SECTION 15 REGULATORY INFORMATION

NONE

SECTION 15 OTHER INFORMATION

MDSD CREATED ON: 10-10-2004

SDS CREATED ON: 1-1-15

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