

Flexible Intermediate Bulk Containers (FIBC)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT	COMPANY
NAME: Flexible Intermediate Bulk Containers	ABC Polymer Industries, LLC
PRODUCT DESCRIPTION: Woven Polypropylene Bags	545 Elm Street, PO Box 380
COLOR: Milky White	Helena, AL 35080
	(205) 620-9889

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CASE NUMBER	PERCENTAGE BY WEIGHT
Polypropelene Homopolymer	009003-07-0	> 99%

SECTION 3: HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: None known
SKIN: None known
INHALATION: N/A
INGESTION: N/A

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. If symptoms persist, obtain medical attention.

SKIN CONTACT: After contact with skin, wash immediately with plenty of soap and water. In case of burns from hot material immediately cool affected skin as long as possible with cold water. Obtain medical attention.

INHALATION: Remove patient from exposure. Keep patient at rest and give oxygen if breathing is difficult. If symptoms develop, obtain medical attention.

INGESTION: Unlikely to be hazardous if swallowed. Provided the patient is conscious, wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Do not induce vomiting. If symptoms develop, obtain medical attention.

FURTHER MEDICAL TREATMENT: Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: N/A

FLAMABILITY: N/A

UEL: Not Determined

EXTINGUISHING MEDIA: As appropriate for surrounding fire. Extinguish preferably with foam, carbon dioxide or dry chemical. Do NOT use water jet or water spray.

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion or thermal decomposition will evolve toxic and irritant vapors.

OTHER: Can melt and burn in a fire. Molten material tends to flow or drip and will propagate fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Caution - spillages may be slippery. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Dust clouds are sensitive to ignition by electrostatic discharge.

ENVIRONMENTAL EXPOSURE CONTROLS: Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

METHODS FOR CLEAN UP: Sweep up and shovel into waste drums or plastic bags.

SECTION 7: HANDLING AND STORAGE

HANDLING: Control dust formation. Do not eat, drink or smoke at the work place. Wash face and hands before eating, drinking or smoking. Will accumulate static charges that may cause an electric spark (ignition source). Take precautionary measures against static discharges.

STORAGE: Keep in a cool, well ventilated place. Keep away from heat and direct sunlight. This product should be kept away from naked flames and other sources of ignition.

STORAGE TEMPERATURE: Ambient.

STORAGE LIFE: Stable at ambient temperature.

SPECIFIC USES: Industrial use only.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

EXPOSURE GUIDELINES

COMPONENT	CASE NUMBER	EXPOSURE LIMITS
Polypropylene Homopolymer	009003-07-0	No Occupational Exposure Limit Assigned

EYE PROTECTION: Eye protection with side protection (EN 166)

SKIN: Wear suitable gloves if prolonged skin contact is likely.

RESPIRATORY: None required.

VENTILATION: None required.

OTHER: Protective working garments (e.g. safety shoes EN 344, long sleeved protective working garments). Contaminated clothing should be thoroughly cleaned

SECTION 9: CHEMICAL PROPERTIES

COLOR: White. Off-white

ODOR: Odorless

pH (Value): N/A

DECOMPOSITION TEMP (*C): > 300 (572°F)

BOILING POINT (*C): N/A

MELTING POINT (*C): 140 - 170 (284 – 338°F)

FLASH POINT (*C): > 300 (> 572°F)

AUTO IGNITION TEMP (*C): > 410 (>770°F)

EXPLOSIVE PROPERTIES: Not Explosive.

MINIMUM IGNITION ENERGY (mJ): 25

OXIDISING PROPERTIES: N/A

VAPOR PRESSURE (Pascal): N/A

SPECIFIC GRAVITY: 0.85 – 0.95

SOLUBILITY (Water): Insoluble

PERCENT VOLATILE (Volume): < 0.1

CHEMICAL STABILITY: Stable under normal conditions. Decomposes at temperatures above 300°C

CONDITIONS TO AVOID: Heat and direct sunlight

MATERIALS TO AVOID: Direct contact with open flames, self-igniting and explosive materials

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide, Hydrocarbons and Acrid smoke.

SECTION 10: TOXICOLOGICAL INFORMATION

Low toxicity under normal conditions of handling and use.

INGESTION: Low oral toxicity. Polypropylene Homopolymer: LD50 (rat) : >5000 mg/kg

INHALATION: Low acute toxicity. Dusts and vapors or fumes evolved during thermal processing may cause irritation to the respiratory system.

SKIN CONTACT: No evidence of irritant effects from normal handling and use.

EYE CONTACT: Dust may have irritant effect on eyes. Permanent damage is unlikely.

LONG TERM EXPOSURE: Chronic effects unlikely

SECTION 11: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE & DISTRIBUTION: Solid insoluble in water. Floats on water. The product has low mobility in soil.

PERSISTENCE & DEGRADATION: The product is non-biodegradable.

TOXICITY: Low toxicity to aquatic organisms.

EFFECT ON EFFLUENT TREATMENT: Unlikely to affect biological treatment processes.

SECTION 12: DISPOSAL CONSIDERATIONS

REGULATORY INFORMATION: Do not allow to enter drains, sewers or watercourses. Disposal should be in accordance with local, state or national legislation.

RECOMMENDED: Normal disposal is via incineration operated by an accredited disposal contractor. Refer to manufacturer/supplier for information on recovery/recycling.

SECTION 13: TRANSPORTATION INFORMATION

UN No.: N/A

Road/Rail (ADR/RID): N/A

Class/Packing Group: N/A

IMDG CLASS: N/A

ICAO/IATA CLASS: N/A

SECTION 14: REGULATORY INFORMATION

EC CLASSIFICATION: Not classified as dangerous for supply/use.

HAZARD SYMBOL: Not applicable.

RISK PHRASES: Not applicable.

SAFETY PHRASES: Not applicable.

INTERNATIONAL INVENTORIES

EINECS (Europe): Polymer. Monomers included.

SECTION 15: OTHER INFORMATION

ENVIRONMENTAL FATE & DISTRIBUTION: Solid insoluble in water. Floats on water. The product has low mobility in soil.

PERSISTENCE & DEGRADATION: The product is non-biodegradable.

TOXICITY: Low toxicity to aquatic organisms.

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SECTION 16: DISPOSAL CONSIDERATIONS

This Material Safety Data Sheet was prepared in accordance with Directive 2001/58/EC and EC Regulation (EC) No. 1907/2006.

Materials meet the requirements stipulated in IS 10910 on, 'Specification for Polypropylene and its copolymers for safe use in contact with foodstuff, pharmaceuticals and drinking water'. Additives incorporated in conform to the positive list of constituents as prescribed in IS 10909. The product and the additives incorporated in it also comply with the FDA: CFR Title 21,177.1520 Olefin polymer.

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