
SECTION I - PRODUCTION IDENTIFICATION

PBI PRODUCTS**MANUFACTURER:**

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Prepared by: Newtex Quality Department

SECTION II - INGREDIENTS

The above products are considered "articles" according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the Material Safety Data Sheet provisions of 29 CFR 1910.1200(G)(6). As a service to the customer, Newtex Industries Inc. has prepared this Material Safety Data Sheet to provide appropriate safety and handling information. These products are considered non-hazardous when used according to accepted practices for the intended use.

<u>COMMON NAME:</u>	<u>CHEMICAL NAME:</u>	<u>CAS No.</u>	<u>WT.%</u>
PBI	Sulfonated polybenimidazole	70955-78-1	99
Surface Finish	Mixture		<1

SECTION III - HAZARD IDENTIFICATION

Emergency Overview

No unusual conditions are expected from this product.

PRIMARY ROUTES OF ENTRY:

- Inhalation: Processing PBI products can release respirable dust and fiber particulate.
Skin: Short contact with human skin is not likely to produce skin irritation.
Eyes: High concentrations of dust may cause a physical irritation to the eye.
Ingestion: Although unlikely to occur, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.

CHRONIC HEALTH EFFECTS:

There is no known chronic health effects associated with long term use or contact with this product.

CARCINOGENICITY: This product is not known as a carcinogen.

SECTION IV – FIRST AID

INHALATION: If processing dust is inhaled, move the person to fresh air. Seek medical attention if irritation persists.

SKIN: Wash any material off skin with mild soap and cool water. Do not rub or scratch irritated areas; this may force fibers into the skin. Seek medical attention if irritation persists.

EYES: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.

INGESTION: Not expected to occur. Should ingestion take place, the person should be watched for several days to ensure intestinal blockage does not occur.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

FLAMMABLE LIMIT: LEL: N/A UEL: N/A

AUTO IGNITION TEMPERATURE: N/A

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: None

EXTINGUISHING MEDIA: PBI does not burn. Use extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Fiber itself will not support combustion, but in a sustained fire, proper protection against products of combustion must be worn. Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.

HAZARDOUS COMBUSTION PRODUCTS: Decomposition products include carbon monoxide, carbon dioxide, and nitrogen oxides and sulfur dioxide.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Land Spill: Material is a solid. Pick up the larger pieces and wet sweep or vacuum up any scrapes. Place in a suitable container for disposal as a non-hazardous waste.

Water Spill: This material will sink and disperse along the bottom of waterways and ponds. Large pieces should be removed and placed in a suitable container for disposal. Smaller pieces cannot be easily removed after it is waterborne;

however, the material is non-hazardous in water.

Air Release: The material will settle out of the air where it can be cleaned as a land spill.

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: For maximum comfort, avoid excessive contact with skin and use good personal hygiene.

OTHER PRECAUTIONS: If excessive dust is generated, use a respirator approved by NIOSH.

STORAGE TEMPERATURE: N/A

STORAGE PRESSURE: N/A

GENERAL: Keep away from sunlight and UV lights.

SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION

VENTILATION:
Local exhaust should be acceptable.

PROTECTIVE GLOVES:
Not required, but gloves and barrier creams can be used to protect against mechanical irritation of the hands.

EYE PROTECTION:
As generally good practice, safety glasses with side shields should be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
None required.

WORK HYGIENIC PRACTICES:
Handle using good industrial hygiene and safety practices. Wash thoroughly with mild soap and cool water after handling of the material.

SECTION IX - PHYSICAL DATA

BOILING POINT: Not Applicable

MELTING POINT: Does not melt

FREEZING POINT: Not Applicable

SPECIFIC GRAVITY RANGE (H₂O=1): Unknown

pH: Not Applicable

VISCOSITY: Not Applicable

SOLUBILITY IN WATER:	Insoluble
PERCENT VOLATILE BY VOLUME:	None
VAPOR DENSITY (Air=1):	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable
EVAPORATION RATE (Butyl Acetate=1):	Not Applicable
PHYSICAL STATE:	Solid
APPEARANCE AND ODOR:	Golden brown woven fabric; odorless.

SECTION X - REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY:	None known
HAZARDOUS POLYMERIZATION:	Will not occur

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hazardous thermal decomposition products include carbon monoxide, carbon dioxide, sulfur dioxide and oxides of nitrogen.

SECTION XI - TOXICOLOGICAL INFORMATION

CARCINOGENICITY:	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP or OSHA as a carcinogen. Animal testing did not show any carcinogenic effects.
INHALATION:	Inhalation studies with rats using specifically prepared PBI fine particulates produced no adverse effects.

SECTION XII - ECOLOGICAL INFORMATION

This product has no known eco-toxicological effects. It is considered to be an inert solid waste. This material is not expected to cause harm to animals, plants or fish. No special precautions are needed in case of a release or spill.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Can be land filled in compliance with federal, state, provincial and local environmental control regulations. Dispose of as any other innocuous material. Product is not a hazardous waste under RCRA 40 CFR 261.

SECTION XIV - TRANSPORTATION INFORMATION

DOT SHIPPING NAMES:	Not regulated
HAZARD CLASS OR DIVISION:	None
SECONDARY:	None
IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
LABEL(S) REQUIRED (if not excepted):	None
SPECIAL PROVISIONS:	None
PACKAGE EXCEPTIONS:	None
NON-BULK PACKAGING:	None
BULK PACKAGING:	None
EPA HAZARDOUS SUBSTANCES:	None
REPORTABLE QUANTITY:	Not Applicable
QUANTITY LIMITATIONS:	
PASSENGER AIRCRAFT:	None
CARGO AIRCRAFT:	None
MARINE POLLUTANTS:	None
FREIGHT DESCRIPTION:	None
HAZARDOUS MATERIAL SHIPPING DESCRIPTION:	None

TRANSPORTATION OF DANGEROUS GOODS – CANADA

DOT SHIPPING NAMES:	Not regulated
TDG HAZARD CLASSIFICATION	
PRIMARY:	None
SECONDARY:	None
IMO CLASSIFICATION:	None
ICAO/IATA CLASSIFICATION:	None
PRODUCT IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
CONTROL TEMPERATURE:	None
EMERGENCY TEMPERATURE:	None
SCHEDULE XII QUANTITY RESTRICTIONS:	None
REPORTABLE QUANTITY FOR US SHIPMENTS:	None
IATA PACKAGING INSTRUCTIONS	
PASSENGER/CARGO:	None
CARGO ONLY:	None
LIMITED QUANTITY:	None
MAXIMUM NET QUANTITY PER PACKAGE	
PASSENGER/CARGO:	None
CARGO ONLY:	None

LIMITED QUANTITY: None
SPECIAL PROVISIONS: None

SECTION XV - REGULATORY INFORMATION

PBI PRODUCTS are considered articles, therefore are exempt from the following requirements:

USA: TSCA – Toxic Substances Control Act
EUROPE: EINECS – European Inventory of Existing Commercial Chemical Substances
CANADA: DSL – Domestic Substance List
AUSTRALIA: AICS – Australian Inventory of Chemical Substances
KOREA: ECL (KECI) – Korean Existing Chemical Inventory
JAPAN: MITI (ENCS) – Existing and New Chemical Substances
PHILIPPINES: PICCS – Philippines Inventory of Chemicals and Chemical Substances

SECTION XVI – OTHER INFORMATION

The information herein is given in good faith, but no warranty, expressed or implied is made and we assume no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.