

SAFETY DATA SHEET

SECTION I - PRODUCTION IDENTIFICATION

Blaze Sentinel Coated Fiberglass Fabrics

MANUFACTURER:

McAllister Mills Inc.
173 Rainbow Circle
Independence, VA 24348
Phone: 276-773-3114

Date: 9/2014

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 Safety Data Sheet provisions of 29 CFR 1910.1200(G)(6). As a service to the customer, McAllister Mills has prepared this 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>
Continuous Filament Fiber Glass (non-respirable)	Fibrous Glass	65997-17-3	85%
- Non-respirable filaments and particulate			>98%
- Respirable particulate			<1%
- Respirable particulate with fiber-like dimensions (glass shards)			<0.002%
Coating Mixture		Mixture	10%
- Organic Carrier			85%
- Aluminum Flake			10%
- Vermiculite-Based Coating			5%
Stainless Steel Wire			2-5%

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SECTION III - HAZARD IDENTIFICATION

ROUTES OF ENTRY: This material will not enter the body during normal use.

- Inhalation: No effects are known to be associated with the inhalation of vapors from this material.
- Skin: Short contact with human skin is not likely to produce skin irritation.
- Eyes: Direct contact with product may cause irritation of the eyes.
- Ingestion: Although not likely to occur in industrial applications, accidental ingestion may cause severe damage to the digestive system. Potential for liver and/or kidney damage.

CARCINOGENICITY: This product is not known as a carcinogen.

HEALTH HAZARD (Acute and Chronic): May cause irritation of the eyes. Severe damage to the digestive systems. Potential for liver and/or kidney damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Existing skin conditions may be aggravated by contact.

SECTION IV – FIRST AID

EMERGENCY FIRST AID PROCEDURES:

- Inhalation: Move the person to fresh air. If breathing is difficult, give oxygen. Call a physician.
- Skin: Wash affected areas thoroughly with soap and water. Seek medical attention if irritation persists.
- Eyes: Immediately flush eyes with running water for at least 15 minutes. Insure complete flushing by holding eyelids apart during irrigation. Call a physician for further instruction.
- Ingestion: Not expected to occur. Should ingestion take place, do not induce vomiting if person is conscious .Call a physician who can treat symptoms that are present.

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SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	>212°F (uncured state)
UNUSUAL FIRE AND EXPLOSIVE HAZARDS:	This product is water based. This product may be ignited by fire in its uncured state.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not breathe smoke or fumes.
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, or Foam.

SECTION III - PHYSICAL DATA

BOILING POINT:	N/A	SPECIFIC GRAVITY RANGE (H ₂ O=1):	N/A
MELTING POINT:	N/A	PERCENT VOLATILE BY VOLUME:	N/A
VAPOR PRESSURE (mm Hg):	N/A	EVAPORATION RATE (Butyl Acetate=1):	N/A
VAPOR DENSITY (Air=1):	N/A	SOLUBILITY IN WATER:	Negligible
APPEARANCE:	Silver/gray	ODOR:	No odor

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY: This material will not enter the body during normal use.

Inhalation: No effects are known to be associated with the inhalation of vapors from this material. Breathing dusts and fibers may cause short-term mechanical irritation of the nose, throat and upper respiratory tract.

Skin: Short contact with human skin is not likely to produce skin irritation. Repeated prolonged contact can induce mild irritation. This product is not likely to be absorbed through human skin.

Eyes: Dust or fibers from product may cause a physical irritation to the eye.

Ingestion: Although not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.

CARCINOGENICITY: This product is not known as a carcinogen.

HEALTH HAZARD (Acute and Chronic): None known

SIGNS AND SYMPTOMS OF EXPOSURE: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

EMERGENCY FIRST AID PROCEDURES:

Inhalation: 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.

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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 VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Material is a solid. Pick up big pieces and sweep up any scraps.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance 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.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: None known

OTHER PRECAUTIONS: None known

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid direct eye and skin contact. Keep hands away from face.

OTHER PRECAUTIONS: Wash thoroughly after handling.

STORAGE CONDITIONS: Store in dry, well-ventilated area.

STORAGE PRESSURE: N/A

GENERAL: No special storage procedures are required for this material.

SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>COMMON NAME:</u>	<u>OSHA PEL</u> 8-hr TWA	<u>ACGIH TLV</u> 8-hr TWA
- Polyurethane	None Established	None Established
- Tris (Dichloropropyl) Phospate	None Established	None Established
-Leafing Aluminum	15 mg/m ³ TWA (metal dus)	10 mg/m ³ TWA (metal dust)
-Alumina Trihydrate	None Established	None Established

OSHA = Occupational Safety and Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists

PEL = Permissible Exposure Limits

TLV = Threshold Limit Value

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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. Good personal hygiene, barrier creams, caps, coveralls, loose fitting long sleeve shirt that covers to the base of the neck and long pants will maximize comfort.

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:	N/A	SPECIFIC GRAVITY RANGE (H ₂ O=1):	N/A
MELTING POINT:	N/A	PERCENT VOLATILE BY VOLUME:	N/A
VAPOR PRESSURE (mm Hg):	N/A	EVAPORATION RATE (Butyl Acetate=1):	N/A
VAPOR DENSITY (Air=1):	N/A	SOLUBILITY IN WATER:	Negligible
APPEARANCE:	Clear	ODOR:	No odor

SECTION X - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Strong oxidizing agents, Hydrofluoric acid

HAZARDOUS DECOMPOSITION/BYPRODUCTS: Carbon Monoxide, Carbon Dioxide

HAZARDOUS POLYMERIZATION: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

There are no known chronic health effects connected with long-term use or contact with Z-BLOCK™ COATED PRODUCTS.

SECTION XII - ECOLOGICAL INFORMATION

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.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with federal, state, provincial and local environmental control regulations.

SECTION XIV - TRANSPORTATION INFORMATION

DOT SHIPPING NAMES:	Non-hazardous
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

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LIMITED QUANTITY: None
 MAXIMUM NET QUANTITY PER PACKAGE
 PASSENGER/CARGO: None
 CARGO ONLY: None
 LIMITED QUANTITY: None
 SPECIAL PROVISIONS: None

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: Each ingredient is on the Inventory.

SARA TITLE III **Hazard Categories:**
 Acute Health: Yes
 Chronic Health: No
 Fire Hazard: No
 Pressure Hazard: No
 Reactive Hazard: No

Reportable Ingredients:
 Section 302/304: None
 Section 313: None

CERCLA HAZARDOUS SUBSTANCE: Not listed

CALIFORNIA PROPOSITION 65

Chemical	CAS Number	Concentration Parts Per Billion (PPB) Maximum
1,4-Dioxane	123-91-1	< 5.0
Acetaldehyde	75-07-0	< 5.0
Ethylene Oxide	75-21-8	< 5.0
Formaldehyde	50-00-0	< 12.1

CLEAN AIR ACT: No ingredient is listed
 NSR STATUS (CANADA): Each ingredient is on the DSL (Domestic substance list)

WHMIS (CANADA) STATUS: Not Controlled
 WHMIS Classification(s): None

Z-BLOCK™ COATED 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

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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

HMIS AND NFPA HAZARD RATINGS

<u>HMIS Rating</u>	<u>NFPA Rating</u>
Health (acute): 1	Health: 1
Flammability: 0	Flammability: 0
Reactivity: 0	Reactivity: 0
Personal Protection: *	Unusual Hazards: None

* Personal protective equipment requirements must be supplied by the user depending upon use.

OZONE-DEPLETING CHEMICALS (CFCs)

Z-BLOCK CLEAR COATED PRODUCTS do not contain, nor are manufactured with, Class I or Class II Ozone-Depleting Chemicals (CFCs) identified in the Clean Air Act Amendment, 1990 List of Ozone Depleting Chemicals.

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.