

American Fibrex
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SECTION I - PRODUCT IDENTIFICATION

PRODUCT GROUP	PRODUCT NAMES INCLUDE	CHEMICAL FAMILY
Block Insulation Products	FBX 1900 Block FBX 1900-K Block FBX 1900-SL Block FBX 1800 Superglas® Board FBX Dura-Blok	Man-made Vitreous Fibers

SECTION II - PRODUCT INGREDIENTS

MATERIAL	CAS#	ACGIH TLV	OSHA PEL	WT%
Vitreous mineral fiber (mineral wool)	N/A	Respirable 1 f/cc	Respirable 1 f/cc	84%
Ball clay contains quartz	1332-58-7 14808-60-7	.1mg/m ³ resp. dust .1mg/m ³ resp. dust	.1mg/m ³ resp. dust .1mg/m ³ resp. dust	12%
Starch	9005-25-8	10mg/m ³	15mg/m ³ total dust 5mg/m ³ resp. dust	3%
Colloidal Silica	7631-86-9	6mg/m ³	5mg/m ³	1%
Quartz formed after exposure above 1600°F	14808-60-7	.1mg/m ³ resp. dust	.1mg/m ³ resp. dust	N/A

OSHA and ACGIH recommended exposure level is 1 fiber/cc and NIOSH recommended exposure level is 3 fibers/cc. None of these ingredients are listed as carcinogens by OSHA or National Toxicology Program. The International Agency for Research on Cancer classifies mineral wool as non carcinogenic, Group 3 but classifies quartz as a known carcinogen, Classification 1.

**SECTION III - HEALTH IDENTIFICATION
POTENTIAL HEALTH EFFECTS**

Acute: Fibers and dust from handling and/or cutting the product may cause mechanical irritation. Handling of material that has been exposed to temperature over 350 degrees F will produce increased nuisance dust. Handling of material that has been exposed to temperature over 1600 degrees F and higher will contain increased amount of quartz.

EYES: Direct contact with the eyes can cause mechanical irritation.

SKIN: Not chemically harmful to skin if not immediately washed off. Direct contact of dust with the skin can cause mechanical irritation and itchiness.

INHALATION: Dust can cause nose, throat, lung, and upper respiratory tract irritation. Persons exposed to the dust may be forced to leave the area because of nuisance conditions such as coughing, sneezing and nasal irritation.

INGESTION: No known effects.

CHRONIC: Inhalation of respirable dust from the product can cause silicosis, pneumoconiosis and cancer. Persons with cronic or systemic skin and/or eye disease should use extra ordinary precautions and wear all personal protective equipment when working with these products.

SECTION IV FIRST AID MEASURES

EYES: In case of contact, immediately flush thoroughly with flowing water occasionally lifting the lower and upper eye lids to remove particulates. If irritation persists seek medical attention. Contact lenses should not be worn when working with this product.

SKIN: Skin contact is not a chemical hazard. If skin irritation should occur rinse with cool water, followed by washing with soap and warm water. Commercially available skin creams may be helpful to treat dry skin areas. Wash hands before eating or using restroom.

INHALATION: If exposed to excessive levels of dust, leave the area of dust exposure and remain away until coughing and other symptoms subside. If conditions persist seek medical attention.

INGESTION: No harmful or chronic effects expected. No specific recommendation. If gastric disturbance occurs seek medical attention.

TARGET ORGANS: Eyes, skin, lungs and respiratory system.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema, and asthma.

PRIMARY ROUTES OF ENTRY: Inhalation, eyes and skin contact. Note to physician: This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

These products are non-combustible and do not pose a fire hazard. Packaging material may burn.

EXTINGUISHING MEDIA: Water fog, dry chemical ABC.

SPECIAL FIRE FIGHTING PROCEDURES: No special procedures anticipated to be necessary. Follow normal fire fighting procedures and avoid inhalation of smoke and gases.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT: Observe normal fire fighting procedures.

FLASH POINT (METHOD USED): Not applicable.

UPPER AND LOWER FLAMMABLE LIMITS IN AIR: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, and trace gases.

SECTION VI - SPILLS OR LEAKS

PROCEDURE

Treat as inert material. If fibers or particles are released, wear gloves, safety glasses, and NIOSH/MSHA approved dust mask to avoid irritation to skin, eyes, and respiratory tract. Use vacuum or wet clean up procedures to minimize airborne dust. Dispose to sanitary landfill in accordance with local, state, and federal requirements.

SECTION VII - HANDLING AND STORAGE

HANDLING: Use protective equipment to avoid irritation as described in Section VIII.

STORAGE: Material should be kept dry and protected from the elements.

SECTION VIII - EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use feasible engineering controls such as local exhaust ventilation, point of generation dust collection, down draft work stations, emission controlling tool designs, and materials handling equipment designed to minimize airborne fiber emissions. Never use compressed air to clean work area and avoid dry sweeping.

PERSONAL PROTECTION - EYES: Wear goggles or safety glasses with side shields to prevent eye irritation. The use of contact lenses is not recommended, unless used in conjunction with appropriate eye protection. Do not touch eyes with soiled body parts or materials. If possible, have eye-washing facilities readily available where eye irritation can occur.

PERSONAL PROTECTION - SKIN: Wear long-sleeved, loose fitting clothing and wrists and minimize skin contact. Wash work clothing separately from other clothing and rinse washer thoroughly after use.

PERSONAL PROTECTION - RESPIRATORY: Wear a NIOSH/MSHA certified dust respirator in poorly ventilated areas if TLV is exceeded, and/or when dusty conditions exist. Avoid prolonged and repeated breathing of dust.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

ODOR & APPEARANCE: Gray, pressed fibrous material panel.
CHEMICAL FAMILY: Man-made vitreous fiber.
PHYSICAL STATE: Solid
BOILING POINT: Not applicable
FREEZING POINT: Not applicable
MELTING POINT: 2100 degrees F (1150 degrees C)
SPECIFIC GRAVITY: Not applicable
SOLUBILITY IN WATER: Not applicable
pH RANGE: Not applicable
VAPOR PRESSURE: Not applicable
VAPOR DENSITY (AIR = 1): Not applicable
% VOLATILE: Not applicable
VOLATILE ORGANIC COMPOUNDS: Not applicable

SECTION X - REACTIVITY DATA

STABILITY: Stable
REACTIVITY: Not reactive
INCOMPATIBILITY: Not known
HAZARDOUS POLYMERIZATION: Not applicable
HAZARDOUS DECOMPOSITION: Emits normal combustion products (e.g. CO and CO₂) and some incomplete combustion products producing smoke and odor if exposed to fire or high temperatures

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE DATA: Slag wool fiber (65997-17-3). **Oral LD50RAT:** Not determined. **Dermal LD50RAT:** Not determined. **Skin Irritation:** Mechanical Irritant.
Eye Irritation: Mechanical Irritant. Contact may cause temporary eye and skin irritation. When the product is handled continually, the skin irritation generally diminishes.
Chronic Data: Prolonged and repeated overexposure to quartz may result in lung disease and/or cancer. Persons with chronic or systemic skin or eye disease should use extra ordinary precautions and wear all personal protective equipment when working with this product.
Fiber glass and Mineral Fiber were classified a Group 3 (not classifiable as to carcinogenicity to humans) by the International Agency for Research on Cancer (IARC) in October 2001.

SECTION XII - ECOLOGICAL INFORMATION

This product is not expected to have an adverse effect on the environment.

SECTION XIII - DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Dispose of material in accordance with federal, state, and local regulations.
WASTE NUMBERS: No EPA Waste Numbers are applicable for this product's components.

SECTION XIV - TRANSPORT INFORMATION

U.S. DOT INFORMATION: Not a hazardous material per DOT shipping requirements. Not classified or regulated.

SECTION XV - REGULATORY INFORMATION

USA REGULATIONS: All ingredients are included in the U.S. Environmental Protection Agency's Toxic Substance Control Act Chemical Substance Inventory.

CARCINOGENICITY CLASSIFICATION OF INGREDIENTS:

MATERIAL	IARC	NTP
Mineral Wool Fiber	Group 3	None
Quartz formed after exposure above 1600 degrees F	Group 1	Anticipated

Minera Wool: In October 2001, the International Agency for Research on Cancer (IARC) classified Mineral Wool Fiber as Group 3 (not classifiable as to carcinogenicity to humans). **Quartz:** Long term exposure to quartz dust in concentrations higher than the recommended PEL or TLV may cause silicosis.

SECTION XVI – OTHER INFORMATION

INFORMATION FOR HANDLING AND IDENTIFICATION OF CHEMICAL HAZARDS

NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0 Other: N/A

HMS Ratings: Health: 1 Fire: 0 Reactivity: 0

Person Protection: Use eye and skin protection: Use NIOSH/MSHA approved respiratory protection when necessary.

0 = Minimal Hazard 1 = Slight Hazard 2 = Slight Hazard 3 = Serious Hazard 4 = Severe Hazard

WARNING:

Sustained high level exposure to quartz is thought to increase the risk of lung cancer. Dust exposure can cause temporary eye, skin and respiratory tract irritation. Avoid creating dust and install in well ventilated area. Cut and trim with razor knife or hand saw to minimize dust levels. Using power tools for cutting will generate high dust levels. Power tools should be equipped with dust collection system. Use NIOSH/MSHA approved dust respirator. Avoid dust contact with eyes and skin. Wear eye protection and long sleeve, loose fitting clothing closed at the neck and wrists. Wash work clothing separately from other clothing. Rinse washer thoroughly.

KEEP OUT OF REACH OF CHILDREN

THIS PRODUCT CONTAINS NO ASBESTOS

FIRST AID: For skin irritation, rinse skin with cold water, followed by washing with soap and warm water. For eye irritation, flush eyes thoroughly with water for 15 minutes. If irritation continues, or product is swallowed, consult a physician.

KEY/LEGEND

ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstracts Services - Registry Number
DOT	United States Department of Transportation
EPA	United States Environmental Protection Agency
HMS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
MSDS	Material Safety Data Sheet
MSHA	Mine Safety and Health Administration
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Health and Safety Administration
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value