SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS:
Fairview Architectural North America,
75 Peters Road,
Bloomfield, CT,
06002
United States

EMERGENCY TELEPHONE NUMBERS: +1 (860)-242-2711

PRODUCT NAME : Vitrabond fr
PRODUCT USE : Composite Building Material

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Classification: Not classified as Hazardous.

Signal word: N/A
Symbol: N/A
Hazard Statement: N/A

Vitrabond fr is classed as an article according to OSHA Hazard Communication Standard 29 CFR 1910. 1200. An "*Article* means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function(s) dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical and does not pose a physical hazard or health risk to employees".

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS %by wt.

COMPONENT	%	CAS NUMBER
Aluminum	25	7429-90-5
Thermoplastic Polymer	<25	Proprietary
Fire Retardant	<50	Proprietary

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED: consult a physician if required.

IF ON SKIN OR CLOTHING: Dust and swarf from machining can be irritating to skin. Remove clothing and wash skin with soap thoroughly. Obtain medical assistance if irritation persists or develops.

IF IN EYES: Dust and swarf can be harmful to eyes. In the event of contact hold eye open and rinse slowly and gently with water or saline for 15-20 minutes.

IF INHALED: Dust and swarf from machining can be inhaled. Move person to fresh air and consult a physician.

Medical conditions

aggravated by exposure: Asthma, Lung disease. Over exposure to dust may lead to congestion in the respiratory system.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

National Fire Protection Rating (NFPA)

EXTINGUISHING MEDIA: Use of class D extinguishers is recommended due to the dust caused by processing.
Halogenated Extinguishing agents should NOT be used on dust fires.
Water should not be used in a molten metal fire.

FIRE FIGHTING EQUIPMENT: Self-contained breathing equipment should be worn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Dust release or exposure — Clean up by sweeping and place waste in closed trash can. Contain any release and block routes to green space and water.

Precautions — Appropriate PPE should be worn to prevent contact with hot metal, sharp edges and material release from processing.

SECTION 7 - HANDLING AND STORAGE

STORAGE: Product should be stored at 55°F before processing. Product should be stored inside.

Safe handling: Ensure that dust production is kept to a minimum. Use PPE to avoid sharp edges and hot metal.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS – (8-hour TWA)

COMPONENT	OSHA PEL		ACIGH TLV
	Total	Respirable	Respirable Fraction
Thermoplastic Polymer	10 mg/m³	5 mg/m³	-
Aluminum	15 mg/m³	5 mg/m³	1mg/m³
Fire Retardant	15 mg/m³	5 mg/m³	-

ENGINEERING CONTROLS: Proper ventilation is required when processing the product. The ventilation system should be capable of meeting occupational exposure limits listed above.

PERSONAL PROTECTIVE EQUIPMENT:
EYE PROTECTION - Safety goggles or glasses with side shields.
CLOTHING - Long-sleeved shirt and long pants
GLOVES – Cut resistant gloves and heat resistant
RESPIRATOR –When handling in enclosed areas with inadequate ventilation, use a respirator if concentrations rise above the limits listed above.

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not

reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid panel in a variety of colors
Odor:	No odor
pH:	Not applicable
Melting Point:	Aluminum 1220°F/ Thermoplastic Polymer 225°F
Boiling Point:	Not applicable
Flash Point:	798°F
Evaporation Rate:	Not applicable
Flammability:	Not applicable
Flammability Limits:	Dust can be flammable if there isn't appropriate ventilation
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Density:	1.50 lb/ft²
Solubility:	Insoluble
Partition Coefficient:	Not applicable
Auto-Ignition Temperature:	798°F
Decomposition Temperature:	No data
Viscosity:	Not applicable

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Non-reactive and stable when used, stored and transported correctly.

CHEMICAL STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization

CONDITIONS TO AVOID: Ensure product is stored at 55°F prior to routing and folding. If not allow product to acclimate for 48 hours to reach the 55°F minimum working temperature.

INCOMPATIBLE MATERIALS: Not applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Nitrogen oxides, carbon dioxide and smoke.

SECTION 11 - TOXICOLOGICAL INFORMATION

Eye Irritation	- Dust may cause irritation
Skin Irritation	- Dust may cause irritation
Carcinogenicity	- Not classified

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal	Product should be reused or recycled where possible. If recycling is not possible state, federal and local regulations should be adhered to.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING DESCRIPTION:	Not regulated by DOT for ground transport
TRANSPORT HAZARD CLASS:	N/A
UN NUMBER:	N/A
DOT PACKING GROUP:	N/A

SECTION 15 - REGULATORY INFORMATION

All electrical equipment must be suitable for use in hazardous atmospheres involving aluminum powder in accordance with 29 CFR 1910.307. The National Electrical Code, NFPA 70, contains guidelines for determining the type and design of equipment and installation which will meet this requirement.

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

This product is not classed as hazardous under the criteria set by 29 CFR

1910.1200, Hazard Communication. There is no classification data for carcinogenic properties of this material.

SECTION 16 - OTHER INFORMATION

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