



MATERIAL SAFETY DATA SHEET - FSB PLENUMSHIELD

GLT Products
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Date Prepared: 08/26/05
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Section 1 – Product Identification

Name: **FSB PLENUMSHIELD**
Generic Description: Ceramic Fiber
Physical Form: Plain ceramic fiber board or foil faced ceramic fiber board.
Color: White wool with or without aluminum facing.
Odor: N/A

Section 2 – OSHA Hazardous Ingredients

Identifiable Component:	CAS #	H.S. #	OSHA PEL	ACGIHTLV**
53%-47% Aluminum Oxide	<u>142844-00-6</u>		<u>1 fiber/cc*</u>	
47%-53% Silicon Oxide				

See Section 9 for ingredients after use at elevated temperatures.

*Recommended industry standard.

Section 3 – Physical Characteristics

Boiling Point: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
% Solubility: Insoluble
Specific Gravity: 2.60
Melting Point: 1260°C (2300°F)
Evaporation Rate:(Butyl Acetate=1) N/A
Appearance: Cottony white fiber
Odor: None
Molecular Formula: SiO CaO.MgO



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Section 4 – Fire and Explosion Hazard Data

Flash Point: N/A
Flammable Limits:

Extinguishing Media: N/A
Special Fire Fighting Procedures: None

NFPA 704 M Hazard Codes: (HMIS) (0=Insignificant 1=Slight 3=Moderate 4=Extreme)
Health: 1 Fire: 0 Reactivity: 0 Unusual Hazards: 0

Section 5 – Health Hazard Data

Primary route of Entry: Long term exposure to product may aggravate chronic respiratory health problems. Testing with laboratory animals has produced inconclusive results concerning the possible carcinogenicity of ceramic fiber prior to service at elevated temperatures. Exposure to respirable dust from ceramic fiber products should be minimized. IARC has placed ceramic fiber in Category 2B (IARC believes there is sufficient evidence of carcinogenicity in animals but insufficient data on humans). Handling ceramic fiber products can produce dust which may cause temporary irritation to the skin., eyes, nose, throat or lungs and may aggravate bronchial disorders.

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Get medical attention if the irritation continues.
Skin: If skin becomes irritated, remove soiled clothing. Do not rub or scratch exposed skin. Wash area of contact thoroughly with soap and water. Using a skin cream or lotion after washing may be helpful.
Ingestion: Drink plenty of water.
Eye Irritation: Flush immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Do not rub eyes. Get medical attention if irritation persists.



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Section 6 – Reactivity Data

Stability:	Stable
Hazardous Decomposition Product:	See Section 9
Hazardous Polymerization:	Will not polymerize.

Section 7 – Spill or Leak Procedures

Spill:	Vacuum clean dust with equipment fitted with a HEPA filter. If sweeping is necessary, use a dust suppressant and/or spray with water prior to sweeping.
Waste Disposal Method:	Wastes are not hazardous wastes as defined by RCRA (40 CFR Part 261). Comply with federal, state and local regulations.
Method of Disposal:	Landfill (RQ-NA): Wet down with water to prevent dusting. Do not transport in an uncovered vehicle or receptacle.

Section 8 – Industrial Hygienic Measures

Protective Clothing/Equipment:	Long-sleeved shirts and blouses, long pants and caps will protect skin contact. Work clothing should be washed separately. Employees should not smoke, eat or drink in any area where ceramic fiber is being installed or removed.
Respiratory Protection:	Dust respirator in compliance with OSHA Standard 29 CFR 1910.134 (MSHA/NIOSH) – approved, air purifying, half mask or full face piece respirator with approved filter pad or cartridge
Eye Protection::	Goggles or safety glasses recommended. Irritation may result from wearing contact lenses while handling this product
Protective gloves:	Recommended
Ventilation:	Any operation that may generate dust should be isolated and provided with adequate local exhaust ventilation per OSHA Standard 29 CFR 1910.94.



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Section 9 – Special Precautions

Precautions To Be Taken After Service and Upon Removal

Hazardous Decomposition or By-Products: As manufactured, Firestop Blanket FSB PLENUMSHEILD is an alumino silicate which may transform, after service at elevated temperatures (greater than 1800° F.), to mullite and cristbalite (a form of crystalline silica). Removal of Firestop Blanket after service can generate dust. Prolonged/repeated inhalation of respirable free crystalline silica may cause delayed lung injury (silicosis). IARC has placed crystalline in Category 2A.

During tear out/removal of these products, appropriate ventilation and respiratory protection should be provided in compliance with OSHA Standards 29CFR 1910.94 and 1910.134 respectively. Additionally, the material being torn out/removed should be sprayed with water, preferably water containing a wetting agent (detergent) to suppress dusting. See Sections 7 and 8.

Section 10 – Disclaimer

The information presented in this MSDS represents the most accurate known presentation of this product. However, due to the many and diverse variables in its end use, it is the end user's responsibility to determine the suitability of this information for the adoption of the safety precautions as may be necessary.