FIRE PROTECTION SYSTEMS INC.

Material Safety Data Sheet

CHEMTREC Transportation Emergency Phone: 800-424-9300

Pittsburgh Poison Control Center
Health Emergency No.: 412-681-6669

NOTE: The CHEMTREC Transportation Emergency Phone is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

Section 1 - Chemical Product / Company Information

Product Name: AD TYPE THERMAL BARRIER

Revision Date: 02/10/2009

Identification Number: 19AD0000006

Supercedes : 02/10/2009

Product Use/Class: FOR INDUSTRIAL USE ONLY

Preparer: Technical Service Department

Manufacturer: A/D Fire Protection Systems Inc.
420 Tapscott Rd.
Scarborough, Ontario
M1B 1Y4

Tel. No. (800) 263-4087, (416) 292-2361

Fax No. (416) 298-5887

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA-CEIL
Mineral Wool	65997-17-3	80.0	10 mg/m^3	N/E	N/E	15 mg/m3 total dust
Portland Cement	65997-15-1	15.0	10 mg/m^3	N/E	N/E	15 mg/m^3 total dust
Bentonite Clay	1302-78-9	5.0	2 MG/M3	N/E	5 MG/M3	N/E
Petrolium Hydrocarbon	72623-84-8	5.0	5 mg/m3 as mist	N/E	N/E	N/E

Section 3 - Hazards Identification

Emergency Overview: May cause irritation to the respiratory tract.

Effects Of Overexposure - Eye Contact: May cause eye irritation.

Effects Of Overexposure - Skin Contact: May cause skin irritation.

Effects Of Overexposure - Inhalation: Overexposure will be irritating to mucous membranes.

Effects Of Overexposure - Ingestion: May be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: There are no known health effects associated with chronic exposure to this product.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Medical Conditions Prone to Aggravation by Exposure: If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

Section 4 - First Aid Measures

First Aid - Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

First Aid - Skin Contact: In case of contact, wash skin immediately with soap and water.

First Aid - Inhalation: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

First Aid - Ingestion: If swallowed do not induce vomiting. Seek immediate medical attention.

Section 5 - Fire Fighting Measures

Flash Point, F: N.D.
(No Flashpoint Method Specified)

Lower Explosive Limit, %: N.D.
Upper Explosive Limit, %: N.D.

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: None known.

Special Firefighting Procedures: None. Product will not burn.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Sweep up material and place in appropriate disposal container. Use sweeping compound or other cleaning aids to pick up residues. Wash down area thoroughly with water. Dispose of material in accordance with all federal, state, and local regulations. Use personal protective equipment as necessary.

Section 7 - Handling And Storage

Handling: Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Keep container tightly closed when not in use. Wear personal protection equipment. Do not breathe vapors. Wash thoroughly after handling. If pouring or transferring materials, ground all containers and tools. Do not weld, heat, cut or drill on full or empty containers. Use only in accordance with Carboline application instructions, container label and Product Data Sheet. Avoid breathing vapors or spray mist.

Storage: Keep Dry. Keep containers closed when not in use. Store in a cool, dry place with adequate ventilation

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Use explosion-proof ventilation when required to keep below health exposure guidelines and Lower Explosion Limit (LEL). Use appropriate equipment to keep nuisance dust cloud levels low.

Respiratory Protection: Use only with ventilation to keep levels below exposure guidelines listed in Section 2. User should test and monitor exposure levels to ensure all personnel are below guidelines. If not sure, or not able to monitor, use MSHA/NIOSH approved supplied air respirator. Follow all current OSHA requirements for respirator use. For silica containing coatings in a liquid state, and/or if no exposure limits are established in Section 2 above, supplied air respirators are generally not required.

A properly fitted NIOSH/MSHA approved disposable dust respirator should be used when: high dust levels are encountered; the level of glass fibers in the air exceeds the OSHA permissible limits; or if irritation occurs.

Skin Protection: Sensitive individuals should wear gloves to prevent repeated contact.

Eye Protection: Recommend safety glasses with side shields or chemical goggles to avoid eye contact.

Other protective equipment: Eye wash and safety showers should be readily available.

Hygienic Practices: Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Use of a hand cleaner is recommended. Launder contaminated clothing before reuse. Leather shoes can absorb and allow hazardous materials to pass through. Check shoes carefully after soaking before reuse. Handle in accordance with good industrial hygiene and safety practices. These practices include: avoiding unnecessary exposures to dusts and fibers by using good local exhaust ventilation; removal of the material from the skin and eyes after exposure; removal of material from clothing (Use vacuum equipment to remove fibers and dusts from clothing. Compressed air should never be used. Always wash contaminated work clothes separately from other laundry and wipe out washer / sink to prevent loose glass fibers from getting on other articles); keep the work area clean of dusts and fibers generated during fabrication (Use vacuum equipment to clean up dusts and fibers. Avoid sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air.) and; have access to safety showers and eye wash stations.

Section 9 - Physical And Chemical Properties

Boiling Range:	985° C (1800°F) - 985° C (1800°F)	**Vapor Density:**	N/A
Odor:	Low odor	**Odor Threshold:**	N.E.
Appearance:	White fibrous nodules	**Evaporation Rate:**	N/A
Solubility in H2O:	N/A		
Freeze Point:	N/A	**Specific Gravity:**	1.650
Vapor Pressure:	N/A	**PH:**	N/A
Physical State:	Solid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Keep Dry. Material becomes hard and unusable when exposed to water.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: None are known.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D **Product LC50:** N/D

Chemical Name	CAS Number	LD50	LC50
Mineral Wool	65997-17-3	NOT AVAILABLE .	NOT AVAILABLE .
Portland Cement	65997-15-1	NOT AVAILABLE .	NOT AVAILABLE .
Bentonite Clay	1302-78-9	N/E	N/E
Petrolium Hydrocarbon	72623-84-8	NOT AVAILABLE .	NOT AVAILABLE .

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: RCRA HAZARDS CLASS: Non Hazardous Material. Take up material and seal tightly for proper disposal. Dispose of in accordance with State, Local, and Federal Environmental regulations. Responsibility for proper waste disposal is with the owner of the waste.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Not Regulated	**Packing Group:**	N/A
DOT Technical Name:	N/A	**Hazard Subclass:**	N/A
DOT Hazard Class:	N/A	**Resp. Guide Page:**	N/A
DOT UN/NA Number:	N/A		

Section 15 - Regulatory Information

CANADIAN WHMIS

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: Class D, Division 2

Section 16 - Other Information

HMIS Ratings

Health: 2 **Flammability:** 0 **Reactivity:** 0 **Personal Protection:** X

VOLATILE ORGANIC COMPOUNDS, GR/LTR MIXED (UNTHINNED):

REASON FOR REVISION: New Product

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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