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:	A/D FIREBARRIER Intumescent Caulk	**Revision Date:**	10/14/2008
Identification Number:	01AD0500007	**Supercedes :**	11/13/2006
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
Refractory Ceramic Fibers	142844-00-6	10.0	N/E	N/E	N/E	N/E
Zinc Borate	01332-07-6	10.0	10 MG/M3	N/E	15 MG/M3	N/E
MICA	12001-26-2	5.0	N/E	N/E	N/E	N/E
MICROCRYSTALLINE SILICA	14808-60-7	1.0	0.025 mg/m3	N/E	0.1 mg/m3	N/E

Section 3 - Hazards Identification

Emergency Overview: Use ventilation necessary to keep exposures below recommended exposure limits, if any. Contains SILICA which can cause cancer. Risk of Cancer depends on duration and level of exposure.

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

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

Effects Of Overexposure - Inhalation: Use in inadequately ventilated areas may result in irritation headache and nausea.

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

Effects Of Overexposure - Chronic Hazards: Crystalline silica is known to cause silicosis, a noncancerous lung disease. Exposure is by route of inhalation. If material is in a liquid matrix it is unlikely to be inhaled. Under normal use conditions, this product is not expected to cause adverse health effects.

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: If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

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

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: This is a water based product, however it does contain small amounts of volatile organic compounds (See Section II). Vapors are heavier than air and will accumulate. Vapors will form explosive concentrations with air. Vapors travel long distances and will flashback.

Special Firefighting Procedures: Non-flammable. Cool fire-exposed containers using water spray.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: If a spill or leak occurs, contain the material. It can be allowed to dry or cure and presents no health or fire hazard. The material can then be removed and disposed of as non-hazardous waste. Before drying, the material can be washed or removed using soap and water.

Section 7 - Handling And Storage

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: Protect from freezing. Keep container closed when not in use. Do not store with strong alkali or acids.

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).

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.

Skin Protection: Recommend impervious gloves and clothing to avoid skin contact. If material penetrates to skin, change gloves and clothing. The use of protective creams may be beneficial to certain individuals. Protective creams should be applied before exposure.

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.
Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

Section 9 - Physical And Chemical Properties

Boiling Range:	223°F (106°C) - 212°F (100°C)	**Vapor Density:**	<1 (Air = 1)
Odor:	Mild ammonia odor	**Odor Threshold:**	N.E.
Appearance:	Caulk: Orange	**Evaporation Rate:**	
Solubility in H2O:	Dilutable		
Freeze Point:	32°F (0°C)	**Specific Gravity:**	1.420
Vapor Pressure:	17 mmHg @ 20°C	**PH:**	7.4 to 9
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: None

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: None.

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
Refractory Ceramic Fibers	142844-00-6	NOT AVAILABLE	NOT AVAILABLE
Zinc Borate	01332-07-6	>10 G/KG, ORAL, RAT	NOT AVAILABLE
MICA	12001-26-2	NOT AVAILABLE	NOT AVAILABLE
MICROCRYSTALLINE SILICA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE

Section 12 - Ecological Information

Ecological Information: No data

Section 13 - Disposal Information

Disposal Information: 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): 20

REASON FOR REVISION: Changed to 16 Section Format

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

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