



# 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 Mortar  
**Revision Date:** 10/10/2008  
**Identification Number:** 04AD000000M  
**Supercedes :** 11/21/2006  
**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
ANHYDROUS ALUMINUM SILICATE	66402-68-4	60.0	N/E	N/E	N/E	N/E
Portland Cement Type 3	65997-15-1	25.0	10MG/M3	NE	5 MG/M3	N/E
MICROCRYSTALLINE SILICA	14808-60-7	15.0	0.025 mg/m3	N/E	0.1 mg/m3	N/E
LIMESTONE	1317-65-3	5.0	N/E	N/E	5 MG/M3	N/E
MAGNESIUM OXIDE	1309-64-4	5.0	N/E	N/E	N/E	N/E

## Section 3 - Hazards Identification

**Emergency Overview:** Contains SILICA which can cause cancer. May cause irritation to the respiratory tract. 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:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

**Effects Of Overexposure - Ingestion:** 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.

**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.

**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.

## Section 9 - Physical And Chemical Properties

<b>Boiling Range:</b>	982°C / 1800°F - 982°C / 1800°F	<b>Vapor Density:</b>	N/A
<b>Odor:</b>	Odorless	<b>Odor Threshold:</b>	N.E.
<b>Appearance:</b>	Gray/black powder mixture	<b>Evaporation Rate:</b>	N/A
<b>Solubility in H2O:</b>	Slight	<b>Specific Gravity:</b>	1.300
<b>Freeze Point:</b>	N/A	<b>PH:</b>	N/D
<b>Vapor Pressure:</b>	N/A		
<b>Physical State:</b>	Powder		

(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.

**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
ANHYDROUS ALUMINUM SILICATE	66402-68-4	NOT AVAILABLE	NOT AVAILABLE
Portland Cement Type 3	65997-15-1	NOT AVAILABLE	NOT AVAILABLE
MICROCRYSTALLINE SILICA	14808-60-7	NOT AVAILABLE	NOT AVAILABLE
LIMESTONE	1317-65-3	NOT AVAILABLE	NOT AVAILABLE
MAGNESIUM OXIDE	1309-64-4	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):**

**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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