

-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

# Material Safety Data Sheet

## Section 1 - Chemical Product / Company Information

**Product Name:** A/D FIREBARRIER Spray Acrylic  
**Revision Date:** 04/12/2010  
**Product Use/Class:** Sealant  
**Supercedes :** 08/21/2007  
**Manufacturer:** A/D Fire Protection Systems Inc.  
420 Tapscott Rd.  
Scarborough, Ontario  
M1B 1Y4  
**Preparer:** Technical Service Department  
**Tel. No.** (800) 263-4087, (416) 292-2361  
**Fax No.** (416) 298-5887

## Section 2 - Hazards Identification

**Emergency Overview:** Rust Red Paste. Non-Sag gunnable paste. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

### Acute potential Health Effects/ Routes of Entry

**Effects Of Overexposure - Eye Contact:** Slightly irritating.

**Effects Of Overexposure - Skin Contact:** Irritant effect may be delayed.

**Effects Of Overexposure - Inhalation:** May cause slight irritation to the respiratory system.

**Effects Of Overexposure - Ingestion:** May cause irritation to the mouth, throat and stomach.

**Effects Of Overexposure - Chronic Hazards.** Long term overexposure to propylene glycol caused liver abnormalities, kidney damage in laboratory animals. Repeated excessive ingestion may cause central nervous system effects. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Medical Conditions Prone to Aggravation by Exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

## Section 3 – Composition / Information on Ingredients

Chemical Name	CAS-No	Weight % Range
Water	7732-18-5	40.0 – 70.0
Acrylic polymer	NJ TSRN# 51721300-5277P	30.0 – 60.0
White Mineral oil	8042-47-5	5.0 – 10.0
Ammonium Hydroxide	1336-21-6	- < 1.0
Zinc Oxide	1314-13-2	- < 1.0
Formaldehyde	50-00-0	-<0.1
The ingredients listed below are hazardous as defined in the controlled products regulation. (CPR).		
Amorphous silica	7631-86-9	1.0 – 5.0
Propylene glycol	57-55-6	1.0 – 5.0
Titanium Dioxide	13463-67-7	0.1 – 1.0
Chlorothalonil	1897-45-6	- < 1.0

## Section 4 - First Aid Measures

Get immediate medical attention for any significant overexposure.

**First Aid - Inhalation:** Leave area to breath fresh air. Avoid further overexposure. If symptoms persist, get medical attention

**First Aid - Eye Contact:** Flush with water immediately for 15 minutes. If irritation persists, get medical attention

**First Aid - Skin Contact:** Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.

**First Aid - Ingestion:** Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

## Section 5 - Fire Fighting Measures

**Flash Point :** Not Available

**Method:** Not Available

**Burning Rate:** Non-flammable Solid

**Lower Explosive Limit:** Not Available

**Upper Explosive Limit:** Not Available

**Auto Ignition Temperature:** Not Available

**Extinguishing Media:** This product is not expected to burn under normal conditions of use. Use that which is appropriate for the surroundings

**Hazardous combustion products:** Smoke, fumes.

**Protective equipment for firefighters:** Not applicable. Product is not expected to burn

**Fire And Explosion conditions:** This product not expected to ignite under normal conditions of use.

## Section 6 - Accidental Release Measures

Use appropriate protective equipment. Avoid contact with material. Scrape up material and transfer to appropriate container for disposal. Keep out of water courses. Dispose of in accordance with local, state and federal regulations.

## Section 7 - Handling And Storage

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not use in confined or poorly ventilated areas. Store in sealed containers in a dry, ventilated warehouse location above freezing

## Section 8 - Exposure Controls / Personal Protection

**Personal protection equipment:**

**Respiratory Protection:** Not required under normal conditions of use.

**Hand protection:** Protect hands with impervious gloves.

**Eye Protection:** Use safety glasses with side shields if eye contact is likely.

**Protective measures:** Use professional judgment in the selection, care, and use. Other equipment not normally required.

**Engineering measures:** General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits:**

Chemical Name	CAS Number	Regulation	Limit	Form
Amorphous Silica	7631-86-9	ACGIH TWA	3 mg/m <sup>3</sup>	Respirable particles
		ACGIH TWA	10 mg/m <sup>3</sup>	Inhalable particles
		OSHA PEL	15 mg/m <sup>3</sup>	Total Dust
		OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction
		OSHA TWA	0.8 mg/m <sup>3</sup>	
		Ontario TWA	3 mg/m <sup>3</sup>	Respirable particles
		Ontario TWA	10 mg/m <sup>3</sup>	Inhalable particulate
		Ontario TWA	10 mg/m <sup>3</sup>	
Titanium dioxide	13463-67-7	Ontario TWA	10 mg/m <sup>3</sup>	Total dust
		ACGIH TWA	10 mg/m <sup>3</sup>	
Ammonium hydroxide	1336-21-6	ACGIH TWA	25 ppm	
		ACGIH STEL	35 ppm	
		OSHA PEL	35 mg/m <sup>3</sup>	
Zinc Oxide	1314-13-2	ACGIH TWA	2 mg/m <sup>3</sup>	Respirable fraction
		ACGIH STEL	10 mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL	5 mg/m <sup>3</sup>	Fume
		OSHA PEL	5 mg/m <sup>3</sup>	Respirable fraction
		OSHA PEL	15 mg/m <sup>3</sup>	Total dust
		OSHA TWA	15 mg/m <sup>3</sup>	Total dust
		OSHA TWA	5 mg/m <sup>3</sup>	Respirable fraction

**Section 9 - Physical And Chemical Properties**

<b>Physical State:</b>	Paste	<b>Melting point/range</b>	Not Available
<b>Form:</b>	Non-sag gunnable Paste	<b>Solubility in H<sub>2</sub>O:</b>	Miscible
<b>Color</b>	Rust Red	<b>Evaporation Rate:</b>	Not Available
<b>Odor:</b>	Mild Acrylate	<b>Specific Gravity:</b>	1.1
<b>PH:</b>	Not Available	<b>% Volatile Weight</b>	48%
<b>Vapor Pressure:</b>	Not Available	<b>Boiling point/ Range:</b>	Not Available
<b>Vapor Density:</b>	Heavier Than Air	<b>Freeze Point:</b>	Not Available

**Section 10 - Stability And Reactivity**

**Incompatibility:** Avoid contact with Oxidizing agents. Strong Acids and Strong Bases.

**Section 11 - Toxicological Information**

Chemical Name	CAS Number	LD <sub>50</sub> Oral	LC <sub>50</sub>
Amorphous silica,	7631-86-9	Acute oral toxicity 22,500 mg/kg (Rat) 15,000 mg/kg (Mouse)	
Propylene Glycol	57-55-6	Acute oral toxicity 30,000 mg/kg (Rat) 18,000 mg/kg (Rabbit) 19,000 mg/kg (Dog) 23,900 – 31,800 mg/kg (Mouse) 18,400 – 196,000 mg/kg (Guinea pig)	
Ammonium hydroxide	1336-21-6	Acute oral toxicity 350 mg/kg (Rat)	
Zinc Oxide	1314-13-2	Acute oral toxicity 7,950 mg/kg (Mouse)	
Chlorothalonil	1897-45-6	Acute oral toxicity 10,000 mg/kg (Rat) oral Acute dermal toxicity 10,000 mg/kg (Albino Rat) dermal	
Formaldehyde	50-00-0	Acute oral toxicity 800 mg/kg (Rat) 260 mg/kg (Guinea pig) 100 mg/kg (Rat) 42 mg/kg (Mouse)	Acute inhalation toxicity 0.82 mg/l for 30 min (Rat) 0.48 mg/l for 4h (Rat) 0.414 mg/l for 4h (Mouse) 0.4 mg/l for 2h (Mouse)

## Section 12 - Ecological Information

No Data Available

## Section 13 - Disposal Information

**Disposal Method:** Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations

Canada- Dispose as hazardous waste according to all local, state, federal and provincial regulations

## Section 14 - Transportation Information

**TDG/DOT Shipping Description:** Not Regulated

## Section 15 - Regulatory Information

### North American Inventories:

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

### CANADIAN WHMIS

#### WHMIS Classification D2A

This is a "Controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### Other Regulations

#### U.S. Federal regulations

SARA 313 Components : Chlorothalonil 1897-45-6

SARA 311/312 Hazards : Acute Health hazard

OSHA Hazardous components :

Amorphous Silica 7631-86-9

Ammonium hydroxide 1336-21-6

Zinc Oxide 1314-13-2

Chlorothalonil 1897-45-6

Formaldehyde 50-00-0

OSHA Status: Considered : Irritant

Hazardous based on the following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent) : 40 g/l

VOC method 310 : 1%

**U.S. State regulations:**

MASS RTK Components : Amorphous Silica 7631-86-9  
 : Formaldehyde 50-00-0

Penn RTK Components : Acrylic Polymer NJ TSRN#51721300-5277P  
 : Water 7732-18-5  
 : White Mineral Oil 8042-47-5  
 : Amorphous Silica 7631-86-9  
 : Propylene Glycol 57-55-6

NJ RTK Components : Acrylic Polymer NJ TSRN#51721300-5277P  
 : Water 7732-18-5  
 : White Mineral Oil 8042-47-5  
 : Amorphous Silica 7631-86-9  
 : Propylene Glycol 57-55-6

WARNING! Chemicals known to the State of California to cause cancer birth defects and/or other reproductive harm:

Chlorothalonil 1897-45-6  
 Ethyl Acrylate 140-88-5  
 Formaldehyde 50-00-0

<b>Section 16 - Other Information</b>
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**HMIS Ratings:**

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	

**0=Minimum**  
**1=Slight**  
**2=Moderate**  
**3=Serious**  
**4=Severe**

**Further Information**

For industrial use only. Keep out of reach of children. The hazard information herein is solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Legend**

<b>ACGIH</b> -American Conference of Governmental hygienists	<b>PEL</b> -Permissible Exposure Limit
<b>CERCLA</b> -Comprehensive Environmental Response, Compensation, and liability Act	<b>RCRA</b> -Resource Conservation and Recovery Act
<b>DOT</b> -Department of Transportation	<b>RTK</b> -Right To Know
<b>DSL</b> -Domestic Substance List	<b>SARA</b> -Superfund Amendments and Reauthorization Act
<b>EPA</b> -Environmental protection Agency	<b>STEL</b> -Short term Exposure Limit
<b>HMIS</b> -Hazardous Materials Information System	<b>TLV</b> -Threshold Limit value
<b>IARC</b> -International Agency for Research on Cancer	<b>TSCA</b> -Toxic Substances Control Act
<b>MSHA</b> -Mine Safety Health Administration	<b>TWA</b> -Time Weighted Average
<b>NDSL</b> -Non-Domestic Substance List	<b>V</b> -Volume
<b>NIOSH</b> -National Institute for Occupational safety and Health	<b>VOC</b> -Volatile Organic Compound
<b>NTP</b> -National Toxicology Program	<b>WHMIS</b> -Workplace Hazardous Materials Information system
<b>OSHA</b> -Occupational safety and Health Administration	

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