

Material Safety Data Sheet

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 Acrylic Sealant
Product Use/Class: Sealant
Revision Date: 08/20/2007
Supercedes : N/A
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. 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 the 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 Number	Weight % Range
Acrylic Polymer	NJ TSRN#51721300-5277P	40.0 – 70.0
Water	7732-18-5	30.0 – 60.0
White Mineral Oil	8042-47-5	7.0 – 13.0
Amorphous silica	7631-86-9	1.0 – 5.0
Propylene Glycol	57-55-6	1.0 - 5.0
Chlorothalonil	1897-45-6	< 1.0

Section 4 - First Aid Measures

Get immediate medical attention for any significant overexposure.

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 15 minutes. If irritation persists, get medical attention...

First Aid - Skin Contact: In case of contact, wash skin immediately with soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

First Aid - Inhalation: If inhaled, remove to fresh air. Avoid further overexposure. Administer oxygen if necessary. Get medical attention if symptoms persist or exposure was severe.

First Aid - Ingestion: If swallowed do not induce vomiting unless advised by a physician. Seek medical attention or call nearest Poison Control Center immediately.

Section 5 - Fire Fighting Measures

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

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

Burning Rate: Non-flammable Solid

Lower Explosion Limit: Not Available

Upper Explosion Limit: Not Available

Autoignition temperature: Not Available

Hazardous combustion products: Smoke, fumes.

Extinguishing Media: This product is not expected to burn under normal conditions of use. Carbon Dioxide, Dry Chemical, Foam, Water Fog

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

Special Firefighting Procedures: Product not expected to burn. Evacuate hazard area of unprotected personnel. Use a NIOSH approved self-contained breathing unit and complete body protection. Cool surrounding containers with water in case of fire exposure.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wear appropriate personal protection clothing and equipment. Follow exposure controls/personal protection guidelines in Section 8. Avoid contact with material. Contain and scrape up material and transfer to appropriate container for disposal. Dispose of in accordance with local, state and federal regulations. Refer to Section 15 for SARA Title III and CERCLA information. Keep out of water courses.

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. Precautions also apply to emptied containers. Do not use in confined or poorly ventilated areas. 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.

Storage: Protect from freezing. Keep container closed when not in use in a dry, well ventilated warehouse. Do not store with oxidizing agents and strong alkali or acids.

Section 8 - Exposure Controls / Personal Protection

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

Respiratory Protection: Not required under normal conditions of use. Dust masks recommended, however in confined areas or areas with poor ventilation, use NIOSH approved Organic Vapour Cartridge type respirators or MSHA/NISOH approved supplied air respirator. Follow all current OSHA requirements for respirator use.

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. Use professional judgment.

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.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Amorphous silica	7631-86-9	ACGIH TWA	3 mg/m ³	Respirable particles
		ACGIH TWA	10 mg/m ³	Inhalable particles
		Ontario TWA	3 mg/m ³	Respirable particles
		Ontario TWA	10 mg/m ³	Inhalable particulate
		OSHA PEL	15 mg/m ³	Total dust
		OSHA PEL	5 mg/m ³	Respirable fraction
		OSHA TWA	0.8 mg/m ³	

Section 9 - Physical And Chemical Properties

Boiling Range:	Not Available	Vapor Density:	Heavier Than Air
Odor:	Mild Glycol Acrylate	Odor Threshold:	N.E.
Appearance:	Non-sag gunnable paste,	Evaporation Rate:	Not Available
Color	Rust Red	Melting point/range	<32°C, <90°F
Solubility in H₂O:	Miscible	Specific Gravity:	1.04
Freeze Point:	Not Available	PH:	Not Available
Vapor Pressure:	Not Available		

Physical State:

Paste

% Volatile Weight

35%

Section 10 - Stability And Reactivity

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

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: N/D

Product LC50: N/D

<u>Chemical Name</u>	<u>CAS Number</u>	<u>LD50</u>	<u>LC50</u>
Amorphous silica,	7631-86-9	22,500 mg/kg (Rat) 15,000 mg/kg (Mouse) Oral	
Propylene Glycol	57-55-6	30,000 mg/kg (Rat) Oral	
Chlorothalonil	1897-45-6	10,000 mg/kg (Rat) oral 10,000 mg/kg (Albino Rat) dermal	

Section 12 - Ecological Information

Ecological Information: No data available

Section 13 - Disposal Information

Disposal Information: Waste not regulated under RCRA. Incinerate at EPA approved facility or 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: TDG/DOT Not Regulated

DOT Technical Name: N/A

DOT Hazard Class: N/A

DOT UN/NA Number: N/A

Packing Group: N/A

Hazard Subclass: N/A

Resp. Guide Page: N/A

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

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

CANADIAN WHMIS CLASS: D2A, This is a "controlled product" under the Canadian Workplace 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

Chlorothalonil 1897-45-6

OSHA Status: Considered : Irritant
Hazardous based on the following criteria:

OSHA Flammability : Not regulated

Regulatory VOC (less water and exempt solvent) : 35 g/l

VOC method 310 : 1%

U.S. State regulations:

MASS RTK Components : Amorphous Silica 7631-86-9

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

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

Section 16 - Other Information

HMIS Ratings:

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

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

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.

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Legend

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

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