

**MATERIAL SAFETY DATA SHEET  
A/D FIREBARRIER INTUMESCENT CAULK**

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Date prepared: April 2006

**SECTION I - PRODUCT INFORMATION**

- Trade Name and Synonyms:  
**A/D FIREBARRIER INTUMESCENT CAULK**, water-based sealant, acrylic firestop sealant, intumescent sealant, intumescent caulk.
- Manufacturer's/Supplier's Name and Address  
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  
Prepared by: Technical Service Department
- Chemical Name and Synonyms:  
Acrylic

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<u>HAZARDOUS INGREDIENT</u>	<u>% by Weight</u>	<u>CAS NO.</u>	<u>ACGIH TLV</u>	<u>LD50</u>
Melamine	< 5	0108-78-1	Not Established	3.16 g/kg, acute oral/rat
Zinc Borate	1 - 10	1332-07-6	Not Applicable	>10 g/kg, oral - rat
Aluminosilicate fibers (vitreous)	1 - 10	142844-00-6	Not Established	>10 g/kg, drm - rab N/A

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

- Appearance: Caulk: Red
- Odor: Mild
- Density/Specific Gravity: 1.25
- Boiling Point: 106°C (222.8°F)
- Solubility in Water: No effect
- Flow, Sag, Slump (cured): 0
- VOC: 16g/L (0.14 lb/gal US)
- Elongation at Break: 85%
- Hardness: 35-40
- Tack Free Time: 30 min. (@70°F, 50%R.H)
- Tensile Strength: 145 psi
- Flow Rate: 175 mL/min
- Volatile by Volume: 35.7%

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

- Flammability: None
- Conditions of Flammability: N/A.
- Flash Point: N/A
- Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide, Silica, Silicone Dioxide, and Nitrogen Oxides.

**SECTION V - REACTIVITY DATA**

Non-reactive.

**SECTION VI - TOXICOLOGICAL DATA**

Skin contact	Slightly to moderately irritating. Exposure may result in irritation, inflammation, rash or itching.
Skin absorption	No data
Eye contact	Slightly to moderately irritating. Prolonged contact may cause damage to the outer surface of the eye.
Inhalation	If inhaled in sufficient quantities, may cause respiratory tract irritation. Symptoms may include scratchiness of the nose or throat, cough or chest discomfort.
Ingestion	If ingested in sufficient quantity, may cause gastrointestinal disturbances. Symptoms may include nausea, vomiting, or abdominal pain.

**SECTION VII - PREVENTATIVE MEASURES**

1. Engineering Controls: Provide good ventilation.
2. Respiratory Protection: Wear an MSHA/NIOSH- approved disposable half-face dust mist respirator.
3. Protective Gear: Work uniform, gloves, and safety glasses.

**SECTION VIII - FIRST AID PROCEDURES**

1. Eyes: Flush eyes immediately with large amounts of lukewarm water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Do not rub eyes.
2. Skin: Remove contaminated clothing, jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes).
3. Inhalation: Remove from exposure immediately. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.
4. Ingestion: Induce vomiting by pressing far back on tongue. Give large quantities of water or milk. Never give anything by mouth if the victim is unconscious. Get medical attention.

Seek medical attention where irritation persists.

**SECTION IX - PRECAUTIONS FOR SAFE HANDLING AND USE**

1. Steps to be taken in case material is released or spilled:  
Clean with absorbent materials.
2. Waste Disposal Method:  
Disposal should conform to local, provincial/state, federal laws & regulations.
3. Precautions to be taken in handling and storing:  
Store in a dry, well-ventilated area. Keep containers closed when stored and when not being used to avoid premature curing. Keep from freezing.

Use normal personal hygiene to remove material contaminants.

**SECTION X - REGULATORY CLASSIFICATION**

WHMIS Classification: 1. CLASS D – Poisonous and Infectious Material  
Division 2- Materials causing other toxic effects

TDG Information: Not regulated in Canada

**SECTION XI – SOURCES USED**

Material Safety Data Sheets from raw material suppliers.

**APPENDIX A**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. **VENDOR SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE.** In no event shall the vendor be liable for special, indirect or consequential damages.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.