



A/D TYPE FP, A/D TYPE I & A/D THERMAL BARRIER

Date prepared: September 2006

SECTION I - PRODUCT INFORMATION

- Trade Name and Synonyms:
A/D TYPE FP, A/D TYPE I & A/D THERMAL BARRIER, A/D Sprayed Mineral Wool, sprayed fire resistive thermal insulation, sprayed thermal barrier, sprayed fire protection
- Manufacturer's Name and Address
A/D Fire Protection Systems Inc.
420 Tapscott Rd.
Scarborough, Ontario, M1B1Y4
Tel. No. (800) 263-4087, (416) 292-2361
Fax No. (416) 298-5887
Prepared by: Technical Service Department
- Formula
Mineral wool fiber, Portland cement, inorganic binders and light petroleum distillate.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| INGREDIENTS | % | CAS NO. | OSHA PEL | ACGIH TLV-TWA |
|--------------------|-------|------------|--|-----------------------------|
| Mineral Wool Fiber | 75-95 | 65997-17-3 | 15 mg/m ³ total dust 5 mg/m ³ respirable fraction | 10 mg/m ³ |
| Portland Cement | 10-25 | 65997-15-1 | 15 mg/m ³ total dust | 10 mg/m ³ |
| Light Petroleum | 0-5 | 64742-47-8 | 5 mg/m ³ as mist | 5 mg/m ³ as mist |

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point: Not applicable
- Vapor Pressure (mm Hg): Not applicable
- Vapor Density (air = 1): Not applicable
- Solubility in water: Negligible
- Specific Gravity (water = 1): >1
- Melting Point: >985°C/ 1800°F
- Evaporation Rate: Not applicable
- Appearance and Odor: White to gray fibrous nodules, low odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- Flammability: None
- Flash Point: Not applicable
- Flammable Limits: Not applicable
- Extinguishing Media: Not applicable
- Special Fire Fighting Procedures: Not applicable
- Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

- Stability: Conditions to Avoid: Stable
- Incompatibility (materials to avoid): Not applicable
- Hazardous Decomposition Products: None
- Hazardous Polymerization: Will not occur
Conditions to Avoid: Not applicable

SECTION VI - TOXICOLOGICAL DATA

Primary Routes of Entry: Inhalation, skin and eye contact.

Acute: Mineral wool fiber and other nuisance particulates may cause transitory skin irritation (itching) and possible irritation of eyes and upper respiratory tract.

Carcinogenicity: NTP - NO IARC – Group 3 OSHA - NO

Medical Conditions Aggravated by Exposure:

Any condition which may be aggravated by mechanical irritants.

SECTION VII - PREVENTATIVE MEASURES

1. Respiratory Protection: Use NIOSH approved Type TC-84A, Protection-N95 or equivalent for nuisance dust.
2. Ventilation: Sufficient to maintain dust levels below TLV.
3. Eye Protection: Safety glasses or safety goggles. Wearing contact lenses under dusty conditions is not recommended.
4. Other Protective Equipment: Gloves, loose fitting, long sleeve shirt and pants.

SECTION VIII - FIRST AID PROCEDURES

1. Eye Contact: Flush with water
2. Skin Contact: Wash with water. Launder clothing separate from other garments.
3. Inhalation: Remove to fresh air.
4. Ingestion: Do not induce vomiting and drink plenty of water.

Use normal personal hygiene after contact to remove any material contaminants.
Seek medical attention for any discomfort or where irritation persists.

SECTION IX - PRECAUTIONS FOR SAFE HANDLING AND USE

1. Steps to be taken in case material is released or spilled:
Sweep up and place in disposal containers. Avoid inhalation of dust.
2. Waste disposal method:
Follow local, provincial/state, federal laws & regulations.
3. Precautions to be taken in handling and storing:
Avoid inhalation of dust during use.
Avoid skin and eye contact.
Use normal personal hygiene to remove material contaminants.

SECTION X - REGULATORY CLASSIFICATION

WHMIS Classification: 1. CLASS D – Poisonous and Infectious Material
Division 2 – Other Toxic Effects
2. CLASS E – Corrosive Material

TDG Information: Not regulated in Canada

SECTION XI - SOURCES USED

Material Safety Data Sheets from raw material suppliers.

APPENDIX A

In 2001, a group of experts convened by the International Agency for Research on Cancer (IARC) concluded its re-evaluation of the carcinogenic risk of airborne man-made vitreous fibres. The IARC monograph states, "...the more commonly used vitreous fibre wools including insulation glass wool, rock (stone) wool and slag wool are now considered not classifiable as to carcinogenicity to humans (Group 3)". For further details of the Monographs evaluation consult <http://monographs.iarc.fr/> under "Agents most recently evaluated," or inquire by e-mail to grosse@iarc.fr <<mailto:grosse@iarc.fr>>

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