

A/D TYPE 7 GP, A/D TYPE 7 HD, A/D TYPE 7 HY & A/D TYPE 7 TB

Date prepared: September 2007

SECTION I - PRODUCT INFORMATION

- Trade Name and Synonyms:
A/D TYPE 7 GP, A/D TYPE 7 HD, & A/D TYPE 7 TB sprayed cementitious fireproofing, sprayed cementitious thermal barrier, sprayed fire protection material
- Manufacturer'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
- Formula:
Blend of Portland cement, vermiculite, cellulose and other minor additives.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS INGREDIENTS</u>	<u>%</u>	<u>CAS NO.</u>	<u>ACGIH TLV</u>
Portland Cement	60-75	65997-15-1	TWAEV: 15 mg/m ³ total dust
Vermiculite (refined & exfoliated)	20-40	1318-00-9	15 mg/m ³ total dust or 5 mg/m ³ respirable dust
Cellulose	2-10	65996-61-4	5 mg/m ³ respirable dust

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point/Melting Point: Not applicable
- Vapor Pressure (mm HG): Not applicable
- Vapor Density (air = 1): Not applicable
- Solubility in Water: Slight
- Specific Gravity (Water = 1): Not applicable
- Evaporation Rate: Not applicable
- Appearance and Odor: Gray powder mixture, low odor
- pH (in water): 7 to 9
- Bulk Density: 192-352 kg/m³ or 12-22 lb/ft³

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: Stable
- Conditions to Avoid: Keep dry to avoid hardening before use
- Incompatibility (materials to avoid): None known
- Hazardous Decomposition Products: None known
- Hazardous Polymerization: Will not occur

SECTION VI - TOXICOLOGICAL DATA

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

Acute Exposure: Direct eye contact may cause physical or mechanical irritation and/or inflammation of the cornea. Dust released during handling or mixing may cause symptoms typical of nuisance dust including inflammation of the lining tissue of the interior of the nose and irritation of the upper respiratory system. Portland cement wetted by body fluids may cause dry skin and/or alkali burns. Ingestion may cause adverse health effects.

Chronic Exposure Prolonged or repeated skin contact may cause dry skin and/or alkali burns. Long-term inhalation of quartz or silica may cause silicosis, pneumoconiosis, dyspnea and decreased lung function.

Carcinogenicity: NTP – NO IARC – NO 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. Ventilation sufficient to maintain dust levels below TLV
2. Skin Protection: Gloves, loose fitting, long sleeve shirt and pants.
3. Eye Protection: Safety glasses or safety goggles.
4. Ingestion: Do not ingest.

SECTION VIII - FIRST AID MEASURES

1. Inhalation: Remove from exposure area. If symptoms persist, obtain medical attention.
 2. Skin Contact: Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Contaminated clothing should be laundered before re-use and separate from other laundry. If symptoms persist, obtain medical attention.
 3. Eye Contact: Immediately flush the contaminated eye(s) with water. Seek medical attention where irritation occurs.
 4. Ingestion: Seek medical attention immediately.
- Use normal personal hygiene after contact to remove any material contaminants.

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 creation and inhalation of dust.
2. Waste Disposal Method: Disposal should conform to 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. Keep dry to prevent hardening before use.
4. 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 - REMOVAL OF SPRAYED MATERIAL

Where it is necessary to remove sprayed fire resistive material (SFRM), the following measures shall apply:

1. The material shall be effectively wetted prior to being disturbed.
 2. The removed material shall be placed directly into a plastic bag and sealed.
 3. A drop sheet shall be used beneath the area to be disturbed.
 4. Any SFRM material on the drop sheet shall be cleaned up and removed by damp wiping.
- Workers performing this task shall be provided with NIOSH approved half-mask respirators equipped with high efficiency dust/mist/fume filters.

SECTION XII - 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.