

# MATERIAL SAFETY DATA SHEET

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## Section 1. Chemical Product and Company Identification

Product Code APPOO"1	
Product Name AP ALUMINA POWDERS .05, .3, 1.0 & 5 MICRON	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared January 1, 2012
East Granby, Connecticut 06026	Signature of Preparer (optional)

## Section 2. Composition / Information on Ingredients

Component	CAS Registry #	Wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Aluminum Oxide	1344-28-1		10mg/m3	10mg/m3

## Section 3. Hazards Identification

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### EMERGENCY OVERVIEW

Not listed as a carcinogen by IARC, NTP, or OSHA. May cause slight irritation to skin, eyes and respiratory tract.

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### POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Slightly irritating, high concentrations may cause conjunctivitis, not corrosive

INHALATION: Spray mist or dry dust may cause congestion, coughing, granuloma in lungs

SKIN CONTACT: Not expected to be a skin irritant. Prolonged or repeated exposure may cause dermatitis and defatting

INGESTION: Not expected to be toxic by ingestion

Product: AP Powders

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**Section 4. First Aid Measures**

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**INHALATION:** If inhaled, immediately remove the affected person to fresh air. If discomfort persists, seek medical attention.

**EYE CONTACT:** In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, seek medical advice.

**SKIN CONTACT:** Wash affected area with a waterless hand cleaner and/or soap and water. If irritation persists consult a physician.

**INGESTION:** If material is swallowed no ill effects expected. If discomfort or pain arise after ingestion, consult a physician

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**Section 5. Fire Fighting Measures**

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**FLAMMABLE PROPERTIES:**

FLASH POINT: N/A

METHOD USED:

**FLAMMABLE LIMITS**

LFL: N/A

UFL: N/A

**EXTINGUISHING MEDIA:** Dry Chemical foam, carbon dioxide (CO<sub>2</sub>), water fog

**GENERAL FIRE COMBUSTION HAZARDS:** Product is non-combustible

**FIRE FIGHTING EQUIPMENT / Instructions:** Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products

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**Section 6. Accidental Release Measures**

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Sweep, scoop or vacuum and remove.

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**Section 7. Handling and Storage**

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Avoid direct sunlight during prolonged storage.

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**Section 8. Exposure Controls / Personal Protection**

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**ENGINEERING CONTROLS:** Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product

**Product: AP Powders**

**RESPIRATORY PROTECTION:** Appropriate NIOSH / MSHA respiratory protection must be provided

**SKIN PROTECTION:** Use impervious apron and boots are recommended

**EYE PROTECTION:** Wear safety glasses, chemical goggles, or a full face shield

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**Section 9. Physical and chemical Properties**


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<b>APPEARANCE:</b>	White powder	<b>PHYSICAL STATE:</b>	Solid
<b>BOILING POINT:</b>	5391f (2977c)	<b>SOLUBILITY IN WATER:</b>	H2O insoluble
<b>EVAPORATION RATE:</b>	N/A	<b>SPECIFIC GRAVITY:</b>	N/A
<b>FREEZING POINT:</b>		<b>VAPOR DENSITY:</b>	N/A
<b>MELTING POINT:</b>	3720f (2050c)	<b>VAPOR PRESSURE:</b>	N/A
<b>MOLECULAR WEIGHT:</b>		<b>VISCOSITY:</b>	N/A
<b>ODOR:</b>	Odorless	<b>% VOLATILE:</b>	
<b>pH:</b>	N/A		

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**Section 10. Stability and Reactivity**


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**CHEMICAL STABILITY:** This is a stable material

**INCOMPATIBILITY:** Hazardous reactions occur when this product is involved with chlorine trifluoride or ethylene oxide. Chemical reactions occur when this product is involved with strong acids and/or strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None specific

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**Section 11. Toxicological Information**


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**EYE:** May cause temporary eye irritation.

**SKIN:** Prolonged contact may cause redness and irritation.

**INGESTION:** No harmful effects expected in amounts likely to be ingested by accident.

**INHALATION:** Not relevant at normal room temperatures.

Product: AP Powders

**Section 12. Ecological Information**

ECOTOXICITY: The product is not expected to be hazardous to the environment

MOBILITY: This product is not soluble in water

DEGRADABILITY: The degradability of the product has not been stated

**Section 13. Disposal Considerations****US EPA Waste Number and Descriptions****General Product Information:** Wastes must be tested using methods described in 40 CFR Part 261 for determination.**Component Waste Numbers:** No EPA Waste Numbers are applicable**DISPOSAL INSTRUCTIONS:****Waste Material:** Dispose of waste material according to Local, State, and Federal regulations**Contaminated Packaging:** Dispose of contaminated packaging as residue**Section 14. Transport Information (Not meant to be all inclusive)**

D.O.T. SHIPPING NAME: N/A

TECHNICAL SHIPPING NAME: N/A

D.O.T. HAZARD CLASS: N/A

U.N. / N.A. NUMBER: N/A

PRODUCT RQ (LBS): N/A

D.O.T. LABEL: N/A

D.O.T. PLACARD: N/A

FREIGHT CLASS BULK: N/A

FREIGHT CLASS PACKAGE: N/A

PRODUCT LABEL: AP1, AP3, AP5

**Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)**

OSHA STATUS: No

TSCA STATUS: No

CERCLA REPORTABLE QUANTITY: N

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: No

CALIFORNIA PROPOSITION 65: N/A

**Section 16. Other Information****OTHER INFORMATION**

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