

MATERIAL SAFETY DATA SHEET

Forms published by WindowChem (707) 864-0845

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 July 1, 2013
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

☆☆

EMERGENCY OVERVIEW

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

☆☆

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

Section 4. First Aid Measures

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

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: N/A

METHOD USED:

FLAMMABLE LIMITS

LFL: N/A

UFL: N/A

EXTINGUISHING MEDIA: Dry Chemical foam, carbon dioxide (CO₂), 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

Section 6. Accidental Release Measures

Sweep, scoop or vacuum and remove.

Section 7. Handling and Storage

Avoid direct sunlight during prolonged storage.

Section 8. Exposure Controls / Personal Protection

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

Section 9. Physical and chemical Properties

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

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

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**

All statements, technical information and recommendations contained herein are based on tests and data which this company believes to be currently reliable, however, the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under nor a recommendation to practice or infringe any patent of this company or others covering any process, composition or matter or use. Since the company shall have no control of the use of the product described herein, the company assumes no liability for loss or damage incurred from the proper or improper use of such product. The company assumes no responsibility regarding the suitability of this information for the users intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular use.