

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Code ASALUM"1	
Product Name AS ALUMINA POLISHING SUSPENSIONS .05, .3, 1.0, 5.0 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 March 24, 2008
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 (AS DRY DUST)	1344-28-1	<20%	10mg/m3	10mg/m3
Propylene Glycol AIHA WEEL 50PPM aerosol only	000057-55-6	<5%	10mg/m3	10mg/m3
Deionized Water	7732-18-5	>75%		

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 and eyes.

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POTENTIAL HEALTH EFFECTS:

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

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

SKIN CONTACT: Not absorbed through skin. Prolonged or repeated contact may cause dermatitis.

INGESTION: May cause irritation of the digestive tract.

Product: Alumina Polishing Suspension

Section 4. First Aid Measures

INHALATION : If inhaled, immediately remove the affected person to fresh air. Seek medical attention.

EYE CONTACT: In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists, consult a physician.

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, get immediate attention or advice. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Section 5. Fire Fighting Measures**FLAMMABLE PROPERTIES:**

FLASH POINT: N/A METHOD USED: N/A

FLAMMABLE LIMITS:

LFL: N/A UFL: N/A

EXTINGUISHING MEDIA: Dry chemical foam, carbon dioxide (CO2), water fog.

FIRE & EXPLOSION HAZARDS: Product is non-combustible

FIRE FIGHTING 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

Flush with water to chemical sewer. Waste disposal: Comply with Federal, State & Local Regulations.

Section 7. Handling and Storage

Liquid is slippery, avoid spills on floor. Do not store below 10 Deg F. Avoid storage in direct sunlight to prevent spoilage. Keep tightly closed.

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.

RESPIRATORY PROTECTION : If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

SKIN PROTECTION: Use impervious gloves. Use of impervious apron and boots recommended.

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

Section 9. Physical and chemical Properties

APPEARANCE:	White Liquid	PHYSICAL STATE:	Liquid
BOILING POINT:	100 deg C/212 degF	SOLUBILITY IN WATER:	Dispersible
EVAPORATION RATE:	N/A	SPECIFIC GRAVITY:	1.2
FREEZING POINT:		VAPOR DENSITY:	N/A
MELTING POINT:	0°C/32	VAPOR PRESSURE:	N/A
MOLECULAR WEIGHT:		VISCOSITY:	Medium to High
ODOR:	None	% VOLATILE:	N/A
pH :	7-8		

Product: Alumina Polishing Suspension

Section 10. Stability and Reactivity

CHEMICAL STABILITY : This is a stable material

INCOMPATIBILITY :None specific

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

Section 12. Ecological Information

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

MOBILITY : This product is water soluble and may spread in water systems

DEGRADABILITY :The degradability of the product has not been stated

Section 13. Disposal Considerations

Standard non-toxic liquid waste disposal methods in practice. Comply with Federal, State & Local Regulations.

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 : AS1 ~ AS05~

Product: Alumina Polishing Suspension

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

OSHA STATUS : NONE

TSCA STATUS : NONE

CERCLA REPORTABLE QUANTITY : NONE

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES : N/A

SECTION 311/312 HAZARDOUS CATEGORIES : N/A

SECTION 313 TOXIC CHEMICALS : N/A

RCRA STATUS : N/A

CALIFORNIA PROPOSITION 65 : N/A

Section 16. Other Information

MSDS STATUS:

NOTE: The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.