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Lapmaster  
International



## MATERIAL SAFETY DATA SHEET

Date: March 2008

### Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster International, LLC  
501 W. Algonquin Road  
Mt. Prospect, IL 60056

Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)  
Emergency Phone: 24 Hours/Chemtrec – 1-800-424-9300

Product Identification: Water Soluble Colloidal Alumina Polishing Slurry  
Product Name: Lapmaster METSCOLLALMGALL

### Section #2: COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Information: Water, Abrasive

Component Name	Percentage % (by weight)	CAS Number	OSHA PEL	ACGIH TWA
Aluminum Oxide	<35%	1344-28-1	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Deionized Water	<85%	7732-18-5	N/A	N/A

### Section #3: HAZARDS INFORMATION

EMERGENCY OVERVIEW: Spill may cause slipping hazard

POTENTIAL HEALTH EFFECTS:

**EYE:** May cause mild irritation  
**SKIN:** No normal use hazard, may cause irritation  
**INGESTION:** No normal use hazard, may cause irritation  
**INHALATION:** No hazard in normal use unless sprayed or misted

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None Known

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

In spray or mist form, may cause congestion, coughing or lung granuloma, which over time, may cause irreversible damage.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

None Known

**CHRONIC / CARCINOGENICITY:**

	N/A
NTP:	N/A
OSHA:	N/A
IARC:	N/A

**Section #4: FIRST AID MEASURES**

**EYES:** Remove Contacts – Flush eyes w/water for 15 minutes – Seek Medical Attention  
**SKIN:** Wash with Soap and water for 15 minutes – If irritated, Seek Medical Attention  
**INGESTION:** Give 1-2 Glasses of water or milk – Seek Medical Attention  
**INHALATION:** Not probable, remove to fresh air

**Section #5: FIRE FIGHTING MEASURES**

**FIRE FIGHTING:** Non Flammable  
**EXTINGUISHING MEDIA:** CO2, Dry Chemical, Foam  
**HAZARDOUS COMBUSTION PRODUCTS:** CO  
**CONDITIONS OF FLAMMABILITY:** N/A  
**EXPLOSION DATA:**  
    **IMPACT SENSITIVITY:** N/A  
    **STATIC DISCHARGE:** N/A

**Section #6: ACCIDENTAL RELEASE MEASURES**

**GENERAL:** Confine spill, use local and/or federal regulations in the collecting and disposal of material.

**Section #7: HANDLING AND STORAGE**

**HANDLING:** Wear Safety Goggles, Use Protective Gloves  
**STORAGE:** Store between 60 & 90 degrees F. Keep containers sealed until ready for use.

**Section #8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** N/A  
**PERSONAL PROTECTION:**  
    **EYE/FACE:** Wear Safety Goggles  
    **SKIN:** Use Gloves  
    **RESPIRATORY:** N/A

**Section #9: PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** White liquid  
**ODOR AND APPEARANCE:** No detectable odor  
**BOILING POINT:** 212 Degrees F  
**MELTING POINT:** 32 degrees F  
**pH @ 5%:** 4.0  
**VAPOR PRESSURE (mmHg):** <0.1mm Hg  
**SPECIFIC GRAVITY:** 1.0205  
**WATER SOLUBILITY:** Yes  
**% VOLATILES:** N/A  
**VISCOSITY:** <200 SUS  
**EVAPORATION RATE:** Slower than Butyl Alcohol  
**COEFFICIENT WATER/OIL:** 100%

**Section #10: STABILITY AND REACTIVITY**

**STABILITY:** Stable  
**STABILITY CONDITIONS TO AVOID:** Extreme Heat or Cold  
**REACTIVITY:** N/A  
**REACTIVITY CONDITIONS TO AVOID:** N/A

**Section #11: TOXICOLOGICAL INFORMATION**

**ACUTE HEALTH HAZARDS:**  
**ACUTE ORAL:** N/A  
**COMPONENTS:** N/A

**Section #12: ECOLOGICAL INFORMATION**

**GENERAL:** Unknown

**Section #13: DISPOSAL INFORMATION**

**WASTE DISPOSAL:** Comply with State and/or Federal regulations  
**RCRA HAZARDOUS WASTE:** Not RCRA hazardous waste

**Section #14: TRANSPORTATION INFORMATION**

**DOT HAZARD CLASS:** Not Regulated (Non-Hazardous)  
**PROPER SHIPPING NAME:** Not Regulated  
**IDENTIFICATION NUMBER:** Not Regulated  
**TDGA:** Not Listed

**Section #15: REGULATORY INFORMATION**

**TSCA STATUS:** N/A  
**WHMIS CLASSIFICATION:** N/A

**Section #16: ADDITIONAL REGULATORY INFORMATION**

**U.S. Federal Regulations as follows:**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA-SARA Hazard Category:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

**IMMEDIATE HEALTH HAZARD**

SARA Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME: CAS NUMBER WT/WT% is less than, no SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: None

**Section #17: OTHER INFORMATION**

**HMIS RATINGS:**

Health – 1  
Flammability – 0  
Reactivity - 0

Volatile Organic Compounds (VCOS): 0.00 lbs/gal, 0 grams/liter

The information contained in this Material Safety Data Sheet (MSDS) document is believed to be accurate and reliable. Because it is impossible to anticipate all conditions of use, some additional safety precautions may be required. *LAPMASTER INTERNATIONAL, LLC, MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* Each user should read and understand the information provided and incorporate it into their individual site safety programs as required by applicable hazard communication standards & regulations.

**ABBREVIATIONS:**

<b>ACGIG</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>CAS</b>	<b>Chemical Abstracts Service</b>
<b>EPA</b>	<b>Environmental Protection Agency</b>
<b>PEL</b>	<b>Permissible Exposure Limit</b>
<b>PPE</b>	<b>Personal Protective Equipment</b>
<b>EPRCA 313</b>	<b>Emergency Planning &amp; Community Right-to-Know Act, Section 313</b>
<b>WHIMIS</b>	<b>Canadian Workplace Hazardous Material Information System</b>
<b>OSHA</b>	<b>Occupational Health and Safety Administration</b>