Alpha Professional Tools

FOR CHEMICAL EMERGENCY SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CALL (CHEMTREC) 1-800-424-9300. THIS MSDS COMPLIES WITH 29 CFR 1919.1200 (THE HAZARD COMMUNICATION STANDARD)

Date of Preparation: May 28, 1996

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product / Chemical Name:
Alpha Marble Polishing Powder

Distributor Name: Alpha Professional Tools
Address: 250 Braen Ave. Wyckoff, NJ 07481
Emergency Tel. No.: 1-800-648-7229

Chemical Formula: Oxalic Acid / Alumnia mixture

CAS Number: See section 2

General Use: Polishing of marble and stone surfaces

Other Designations: N/A

HAZARDOUS MATERIALS INDENTIFICATION SYSTEM (HMIS)

Health 1 **Flammabiltiy** 1 **Reactivity** 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3 Extreme - 4

Section 2 - Composition / Information on Ingredients

Ingredient	CAS Number	%Vol.
Oxalic Acid (C2H204.2H20)	144-62-7	
Calcined Alumina	1344-28-1	

Trace Impurities:

	OSHA PEL		ACGIH TLV		NIOSH REL		
INGREDIENT	TWA	STEL	TWA	STEL	TWA	STEL	NIOSH IDLH
Oxalic acid	Img/m3	n/a	n/a	n/a	n/a	n/a	500mg/m3
Calcined alumnia	15mg/m3	none estab.	10mg/m3	None	none estab.	none estab.	none estab.

Toxicity Data:

Section 3 - Physical and Chemical Properties

Physical State: Powder
Water Solubility: Moderact
Appearance and Odor: White / Odorless
Other Solubilities: N/A
Odor Treshold: Rhombio
Boiling Point: 300 to 320 degrees F
Vapor Pressure: N/A
Freezing / Melting Point: 215 degrees F
Vapor Density (Air=1): N/A
Viscosity: N/A

Formula Weight: N/A
Refractive Index: N/A
Density: N/A
Surface Tension: N/A
Specific Gravity (H20=1, at 4*C): 1,653
% Volatile: N/A
pH: N/A
Evaporation Rate: N/A

Section 4 - Fire Fighting Measures

Flash Point: N/A
Auto Ignition Temperature: N/A
Flash Point Method: N/A
LEL: N/A
Burning Rate: N/A
UEL: N/A
Flammability Classification:
Extinguishing Media: Use extinguishing method appropriate for surrounding fire.
Unusual Fire or Explosion Hazards:
Decomposes at MIT value TLV/TWA 1 mg/m3

Hazardous Combustion Products: Carbon monoxide, carbon dioxide
Fire Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways. Use water to keep fire exposed containers cool.
Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operatied in pressure demand or positive pressure node.

Section 5 - Stability and Reactivity

Stability: Oxalic Acid is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: Strong oxidizing agents, strong bases, silver and silver compounds.

Conditions to Avoid: Heat
Hazardous Decomposition Porducts: Thermal oxicative decomposition of Oxalic acid can produce carbon monoxide and carbon dioxide.

Section 6 - Health Hazard Information

Potential Health Effects

Primary Entry Routes: Inhalation, ingestion, absorption, eye contact, skin contact.
Target Organs: Respiratory system, eyes, skin, kidneys.
Acute Effects:
Inhalation: May cause corrosion of mouth, throat, and stomach.
Eye: Severe irritation or burns.
Skin: Severe irritation or burns.

Ingestion: Headache, nausea, vomiting, gastrointestinal irritation, unconsciousness, convulsions.
Carcinogenity: LARC, NTP, and OSHA do not list oxalic acid as a carcinogen.
Medical Conditions Aggravated by long-term Exposure: May have adverse effect on kidney function and may be fatal.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air. If not breathing give artifial respiration. If breathing is difficult, give oxygen.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes.
Skin Contact: Rinse skin with water for 15 minutes.

Ingestion: Do not induce vomiting; if conscious, give water, milk, or milk of magnesia.
After first aid, get appropriate in-plant, paramedic, or community medical support.
Note to Physicans:
Special Precautions / Procedures:

Section 7 - Spill, Leak, and Disposal Procedures

Spill / Leak Procedures:
Small Spills: Sic large spills
Large Spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: With a clean shovel, place material into clean, dry metal container and cover with dry sand, lime or soda ash. Keep container tightly covered.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)
Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements:
Container Cleaning and Disposal:
Ecological Information:
EPA Regulation:
RCRA Hazardous Waste Number: D002 (Corrosive waste)

Section 8 - Exposure Control / Personal Protection

Engineering Controls:
Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs(Sec.2) Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Administrative Controls:
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1919.134) and, if necessary, wear a MSHA / NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non routine operations (cleaning spills, reactor-vessel, or storage tanks), wear an SCBA.
Warning! Air purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing / Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
Safety Stations: Make emergency eyewash stations, safety / quick-drench showers, and washing facilities available in work area.
Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Sections 9 - Special Precautions and COmments

Handling Precautions:
Storage Requirements:
DOT Transportation Data (49 CFR 172.101):
Shipping Name: Corrosive solid
N.O.S. (Oxalic acid)
Shipping Symbol:
Hazard Class: Corrosive material
(solid)
ID No.: UN1759
Packing Group:
Label: Corrosive
Special Provisions (172.102)

Disclaimer: All information, recommendations and suggestions here in are based upon sources believed to be reliable. However, it is the user's responsibility to determine the safety, toxcity and suitability for its own use for this product. Information contained herein may or may not be applicable to product when mixed with water etc. Alpha Professional Tools does not assume any liability arising out of the use by others of this product.