

MATERIAL SAFETY DATA SHEET

(Prepared According to 29 CFR 1910.1200)

GRANITE POLISHING POWDER

Date of Preparation: 1/1/07

Revision Date: 3/10/11

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **GRANITE POLISHING POWDER LIGHT/DARK**

ID Number: **MAJR06500**

Product Use/Class: Polishing Powder for Light/Dark Granite Surfaces

Manufactured for: M3 Technologies, Inc.

Contact: Chad Schmidt Telephone: 781-383-3134

Address: 57 Lamberts Lane, Cohasset, MA 02025

EMERGENCY TELEPHONE: (CHEMTREC): 800-424-9300

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt.
Aluminum Oxide	1344-28-1	60-80%

Ingredient	CAS #	OSHA		ACGIH		NIOSH		IDLH
		PEL	STEL	TLV	STEL	REL	STEL	
Aluminum Oxide	1344-28-1	15 mg/m3 (total Dust) 5 mg/m3 (respirable)	NE	10 mg/m3	NE	NE	NE	NE

SECTION 3 - HAZARDS IDENTIFICATION

Potential Acute Health Effects: May cause irritation to skin, eyes and respiratory tract.

Hazardous Materials Identification System: Health 2 - Moderate Flammability 0 Reactivity 0 Contact 2 - Moderate

Lab Protective Equipment: goggles, lab coat, vent hood, gloves

Inhalation: Hazard is principally that of a nuisance dust. Coughing or shortness of breath may occur in cases of excessive inhalation.

Ingestion: No adverse effects expected.

Skin Contact: May cause irritation with redness and pain.

Eye Contact: No adverse effects expected but dust may cause mechanical irritation.

Chronic Exposure: No adverse effect expected.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact: Immediate flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable

Flash Point Method: NA

Burning Rate: NA

Autoignition Temperature: NA

LEL: NA

UEL: NA

Flammability Classification: NA

Extinguishing Media: Use any means suitable for surrounding area.

Unusual Fire or Explosion Hazards: NA

Fire-fighting Equipment: Use protective clothing and breathing equipment appropriate for surrounding fire and protect against the aluminum oxide dust that may be dispersed in the air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Initial Actions: Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind. Ventilate spill area.

Small Spills: Wear appropriate protective equipment. Small spills can be cleaned up using dust pan and brush. Use sweeping compound to prevent dust generation. Respiratory protection may be needed. Place spilled material into a clean dry container and cover. Wash down spill area. Wash dust pan and brush.

Large Spills: Wear appropriate protective equipment. Respiratory OSHA requires that employees using this material be trained properly under (29 CFR 1910.1200 and/or 29 CF 19110.120) depending on the nature of the clean-up operation. Carefully shovel material and place in clean dry container and cover. Clean up using dry procedures, avoid dusting. If reuse or recycling is not an option, material may be disposed of in an industrial landfill.

SECTION 7 - SAFE HANDLING AND STORAGE

Handling Precautions: Avoid contact with skin and clothing. Avoid inhaling dust. Keep container closed when not in use. Protective equipment should always be worn.

Storage Requirements: Store material in a dry, cool place.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: Keep container closed when not in use. Avoid creating dust conditions.

Respiratory Protection: NIOSH approved HEPA respirator if overexposure potential exists. Respiratory protection must provide the appropriate protection factors based on exposure levels. Respirator use by employees is regulated by OSHA under 29CFR1910.134.

Protective Clothing/Equipment: Wear appropriate gloves to avoid direct skin contact. Goggles are recommended to prevent direct eye contact. Protect open wounds.

Other Precautions: Do not eat or drink while using this compound, and keep out of reach of children and animals.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State: Solid

Appearance and Odor: White/Grey Powder

Odor Threshold: ND

Vapor Pressure: NA

Vapor Density (Air=1): NA

Formula Weight: ND

Density: ND

Specific Gravity (H²O=1, at 4° C): Approx. 3.2

pH: ND

Water Solubility: ND

Other Solubilities: Acids or Alkalies

Boiling Point: NA

Melting Point: 100°F

Viscosity: NA

Refractive Index: ND

Surface Tension: NA

% Volatile: NA

Evaporation Rate: NA

SECTION 10 – STABILITY and REACTIVITY DATA

Stability: Stable at room temperature in closed containers under normal storage and handling conditions. Do not expose to high temperatures (>100°F/ 212°C).

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Chlorine trifluoride and ethylene oxide will react violently with this product. Do not store or mix with acids or chlorine bleach.

Conditions to avoid: A rise in temperature may result from contact with water.

Hazardous Decomposition Products: Thermal decomposition may generate toxic materials.

Dangerous Reactions: This product may release fluoride gas involved in high heat or fire situation.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicity Data:*

Inhalation Effects: No LC₅₀ found.

Oral Effects: The aluminum oxide component of this product is not readily absorbed through the intestinal tract and no LD₅₀ has been established.

* See NIOSH, RTECS (BD1200000), for additional toxicity data for aluminum oxide.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal: Collection in containers, bags, or covered dumpster boxes. Used or unused material should be disposed of at a hazardous waste collection center for household use. Industrial users should have material tested to determine disposal requirements. Do not dispose spilled material down drains, storm sewers, or natural waterways.

Disposal Regulatory Requirements: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable federal, state and local regulations for disposal.

SECTION 14 – TRANSPORT INFORMATION

Shipping Name: ND
Shipping Symbols: ND
Hazard Class: ND
ID No: ND
Packing Group: ND
Label: ND
Special Provisions (172.102): ND

Packaging Authorizations:
a) Exceptions:
b) Non-bulk Packaging:
c) Bulk Packaging:

Quantity Limitations:
a) Passenger, Aircraft or Railcar:
b) Cargo Aircraft Only:
Vessel Stowage Requirements:
a) Vessel Stowage:
b) Other:

U.S. Domestic (Land, D.O.T.) This product is not hazardous material as defined by U.S. DOT regulations.

SECTION 15 – REGULATORY INFORMATION

EPA Regulations:

RCRA Hazardous Waste Number: Not listed.

RCRA Hazardous Waste Classification (40CFR261.): Not classified.

CERCLA Hazardous Substance (40CFR302.4): Not listed.

CERCLA Reportable Quantity: None

SARA 311/312 Codes: Immediate (acute), if particulates are generated during processing.

SARA Toxic Chemical (40CFR382.65): Not listed.

SARA EHS (Extremely Hazardous Substance) (40CFR355): Not listed.

CA Proposition 65 List: NA

PA Right to Know: NA

OSHA Regulations: Air contaminant (29CFR1910.1000, Table Z-1): Alpha Alumina Total Dust (15 mg/m³) and Respirable Dust (5 mg/m³).

Canada Domestic Substance List: All of the ingredients intentionally added to this product are listed on the DSL.

Canada WHMIS: Class E

SECTION 16 – OTHER INFORMATION

Disclaimer: No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is to the best of our knowledge and believe accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the used of this product. All chemical present unknown health hazards and should be used with caution. The information and recommendations contained herein are presented in good faith and are supplied pursuant to 29 CFR 1910.1200. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damage so any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Further, it is the direct responsibility of the user to comply with all applicable Federal, state and local regulations governing the use and disposal of this material.

NE = Not Established

NA = Not Applicable

ND = Not Determined