

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According to 29 CFR 1910.1200)

Prepared by: DA
Date Prepared 08-19-10

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

ID NUMBER: MAJR04001

PRODUCT NAME: **MARBLE ETCH REMOVER** PRODUCT USE/CLASS: STONE POLISH

HMS
Hazardous Materials
Identification System

MANUFACTURED BY: M3 TECHNOLOGIES, INC/

Health 3

CONTACT: CHAD SCHMIDT

Flammability 0

ADDRESS: 57 LAMBERTS LANE, COHASSET, MA 02025

Reactivity 1

TELEPHONE: 781-383-3134

Contact 1

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

SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT.PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
POTASSIUM OXALATE	583-52-8	60-70%	1MG/CU,M	N/D	500PPM	N/D
ALUMINUM OXIDE	1344-28-1	20-30%	N/D	N/D	N/D	N/D

TOXICOLOGICAL DATA on INGREDIENTS: Aluminum oxide LD50: N/A LC50: N/A

SECTION 3 – HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

POTENTIAL CHRONIC HEALTH EFFECTS:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. **MUTAGENIC EFFECTS:** Not Available

TERATOGENIC EFFECTS: Classified None for human. **DEVELOPMENTAL TOXICITY:** Not Available. Repeated or prolonged exposure is not known to aggravate medical condition.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

SERIOUS SKIN CONTACT: Wash with a disinfectant soap and cover the contaminated skin with anti-bacterial cream. Seek medical attention.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SERIOUS INHALATION: N/A

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

SERIOUS INGESTION: N/A

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE

FLAMMABLE LIMITS: N/T

LEL: NOT TESTED

UEL: NONE

pH: NOT TESTED

DOT #: 2811

NFPA HAZARD RATING H F R C (0=LEAST, 4=EXTREME) H = 1 F = 0 R = 1 C = 1

PROPER SHIPPING NAME: TOXIC SOLID, ORGANIC, N.O.S. (CONTAINS POTASSIUM OX-ALATE)

EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

PRODUCT NAME: **Marble Etch Remover**

ID NUMBER: **MAJR04001**

PRODUCT USE/CLASS: **STONE POLISH**

SECTION 7 - SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SWEEP UP AND PLACE IN A PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS. **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** STORE IN COOL, DRY PLACE.

OTHER PRECATIONS: KEEP OUT OF REACH OF CHILDREN. FOLLOW DIRECTIONS ON THE CONTAINER FOR PROER USE OF THIS PRODUCT.

STORAGE: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24⁰C (785.2⁰F).

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: OPEN ALL DOORS AND WINDOWS. EXPOSURES ABOVE THE TLV OR PEL REQUIRE A NIOSH APPROVED RESPIRATOR EQUIPPED FOR THE EXPOSURE OR SUITABLE RESPIRATORY PROTECTION PER 29 CFR 1910.134.

VENTILATION: LOCAL EXHAUST: IF AVAILABLE SPECIAL: NONE

MECHANICAL: IF AVAILABLE OTHER: NONE

PROTECTIVE GLOVES: RUBBER, PLASTICS **EYE PROTECTION:** GLASSES, GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL RESISTANT CLOTHING

WORK HYGENIC PRACTICES: USE COMMON SENSE AND CARE AROUND CHEMICALS. NEVER MIX CHEMICALS. CONSULT YOUR SUPERVISOR FOR OTHER PRACTICES. ALL PRACTICES DEPEND ON YOUR SPECIFIC BUSINESS. DIRECTIONS FOR USE ARE NORMALLY FOUND ON LABEL WHICH WILL DICTATE ENGINEERING AND CONTROL MEASURES.

OTHER SPECIAL REQUIREMENTS: NONE

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT: 2980⁰C (5396⁰F)

SPECIFIC GRAVITY: 1.650 / 2.13

VAPOR PRESSURE: N/A

MELTING POINT: 101.5 C.

VAPOR DENSITY:

N/A EVAPORATION RATE: N/A

SOLUBILITY IN WATER: 30 g in 100 g water. Very slightly soluble in cold water. Insoluble in hot water. Practically insoluble in non-polar organic solvents. Slowly soluble in aqueous alkali solution-forming hydroxides. Very slightly soluble in acid, alkali.

APPEARANCE AND ODOR: TAN GRANULAR COMPOUND - PUNGENT ODOR

SECTION 10 – STABILITY and REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: STRONG OXIDIZERS

INCOMPATIBLE MATERIALS TO AVOID: TEMPERATURES ABOVE 100 DEG. C. STRONG ACIDS AND STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: MAY LIBERATE CARBON MONOXIDE/DIOXIDE.

HAZARDOUS POLYMERIZATION: NONE

SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY

INHALATION: POSSIBLE

INGESTION: POSSIBLE

SKIN: POSSIBLE

HEALTH HAZARDS: SAME

OSHA CARCINOGENICITY: NONE

SIGNS & SYMPTOMS OF EXPOSURE

NTP: NONE **IARC MONOGRAPHS:** NONE

SIGNS & SYMPTOMS OF OVER EXPOSURE

EYES: BURNING, IRRITATION

SKIN: BURNING, IRRITATION

INGESTION: BURNING, IRRITATION

INHALATION: IRRITATION

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: SAME AS SIGNS AND SYMPTOMS OF OVER EXPOSURE.

No LD50/LC50 information found relating to normal routes of occupational exposure.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14 – TRANSPORT INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM OXALATE, MONOHYDRATE)

Hazard Class: 6.1, 8 **UN/NA:** UN2928 **Packing Group:** II **Information reported for product/size:** 10lb/25lb

International (Water, I.M.O.)

Proper Shipping Name: TOXIC SOLID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM OXALATE, MONOHYDRATE)

Hazard Class: 6.1, 8 **UN/NA:** UN2928 **Packing Group:** II **Information reported for product/size:** 10lb/25lb

SECTION 15 – OTHER REGULATORY INFORMATION

Ingredient	TSCA	EC	Japan	Australia
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Potassium Oxalate (583-52-8)	Yes	Yes	Yes	Yes
	--Canada--			
Ingredient	Korea	DSL	NDSL	Phil.
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Potassium Oxalate (583-52-8)	Yes	Yes	No	No
	-SARA 302-		-----SARA 313-----	
Ingredient	RQ	TPQ	List	Chemical Catg.
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Potassium Oxalate (583-52-8)	No	No	No	No
	-----\Federal, State & International Regulations - Part 2\-----			
Ingredient	-RCRA-	-TSCA-		
-----	CERCLA	261.33	8(d)	
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Potassium Oxalate (583-52-8)	No	No	No	

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No

Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated. **Poison Schedule:** None allocated. **WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Federal and State Regulations:

Illinois toxic substances disclosure to employee act: Aluminum oxide Rhode Island RTK hazardous substances: Aluminum oxide Minnesota: Aluminum oxide Massachusetts RTK: Aluminum oxide New Jersey: Aluminum oxide New Jersey spill list: Aluminum oxide California Director's list of Hazardous Substances: Aluminum oxide TSCA 8(b) inventory: Aluminum oxide SARA 313 toxic chemical notification and release reporting: Aluminum oxide

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada). DSCL (EEC): R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label. HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2 **Flammability:** 0 **Reactivity:** 0 **Specific Hazard:** POISON! DANGER! CORROSIVE. CAUSES SEVERE BURNS TO EVERY AREA OF CONTACT. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED

Protective Equipment: Gloves, Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

SECTION 16 – OTHER INFORMATION

Other Special Considerations: Not available.

Last Updated: 8/9/10

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.