

MATERIAL SAFETY DATA SHEET
U.S. DEPARTMENT OF LABOR - OSHA'S HAZARD COMMUNICATION STANDARD
(Utilized to comply with 29 CFR 1910.1200)

SECTION 1 - PRODUCT/MANUFACTURER/DISTRIBUTOR'S IDENTITY

Product Name: MARBASHINE	<u>H.M.I.S. Rating</u>	<u>Rating Key</u>
Product Use: Polishing Liquid for Marble & Other Natural Stone Surfaces	3 - Health	4=Extreme
Date Prepared: June 1999	0 - Fire	3=High
Date Last Revision: October 2002	1 - Reactivity	2=Moderate
DOT Hazard Class: Consumer Commodity (ORM-D) < 5-GL & Class 6.1 for > 5-GL containers	B - Maximum Personal Protection	1=Slight 0=Insignificant

Manufactured For:
Stone Care International, Inc.
P.O. Box #703
Owings Mills, Maryland 21117-0703
Phone: 410-363-8788
24 Hour Response for Medical and Spill Emergencies call: 1-800-535-5053.

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<i>Chemical Identity</i>	<i>CAS No.</i>	<i>% by Weight</i>	<i>PEL (OSHA)</i>	<i>TLV (ACGIH)</i>	<i>LD50</i>	<i>LC50</i>
Water	7732-18-5	85.0 - 95.0	100 ppm TWA	100 ppm TWA		
Ethanedioic Acid (Oxalic Acid)	144-62-7	4.5 - 5.5	1 mg/m ³	1mg/m ³	7500 mg/kg	
Aluminum Oxide	1344-28-1	1.5 - 2.5	15 mg/m ³	10 mg/m ³		
Proprietary Paraffinic Emulsion	N.E.	1.0 - 10.0	N.E.	N.E.		

This formula is a proprietary mixture with no other known hazardous ingredients.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Color: Opaque to White (when mixed)	Odor: Odorless	Physical State: Slightly Viscous Liquid	PH: N.E.
Boiling Point: 212° F	Freezing Point: 32° F	Melting Point: N.E.	% Volatile: 92%
Vapor Pressure (mm HG): N.E.	Vapor Density (Air = 1): N.E.	Specific Gravity (H ₂ O = 1): 1.020 @ 60	
Evaporation Rate (n-butyl Acetate = 1): N.E.	Solubility in Water: Disperses	Specific Gravity of Vapor @ 1 atm (Air = 1): N.E.	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to boiling	Explosive Limits: 500°F	LEL: N.A.	UEL: N.A.
Autoignition Temperature: N.E.	Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, or Water Spray to extinguish fire.		
Special Fire Fighting Procedures: Use Self-Contained Breathing apparatus. Wear full turnout gear			
Unusual Fire and Explosion Hazards: None			
GENERAL HAZARD: Product is corrosive and toxic. Avoid contact.			

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable (YES)	Incompatibility (Materials to Avoid): Alkalis, chlorites, hypochlorites, oxidizing agents, furferyl alcohol, and silver compounds
Hazardous Decomposition of By-Products: Carbon oxides and formic acids	Hazardous Polymerization: Will not occur

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

POISON! DANGER! MAY BE FATAL IF SWALLOWED.
CAUSES SEVERE IRRITATION AND BURNS TO SKIN, EYES, AND RESPIRATORY TRACT.

Primary Routes of Entry and Exposure: Ingestion, Eyes, Skin, & Inhalation.

Skin Contact: This material may cause severe eye irritation and possible eye damage. This material is an irritant to the skin. May cause redness, pain and burns to the skin. May be absorbed through the skin.

Inhalation: Inhalation of mist or vapors may cause irritation and burns to mucous membranes of the respiratory tract.

Ingestion: Toxic, corrosive. May cause burns of the mouth and esophagus, nausea, gastroenteritis and shock. Absorption can occur causing systemic poisoning. Symptoms may include headache, weak pulse, and cramps. May cause kidney damage. Severe poisoning may be fatal. Fatal does is 5 - 15 grams.

Medical Conditions Aggravated: Persons with pre-existing conditions of the kidneys, eyes, skin, and mucous membranes may be highly susceptible.
(Chronic) Health Hazards: May cause kidney damage, dermatitis, and possible ulceration.

Carcinogenicity: None Known	NTP: N.A.	IARC Monographs: N.A.
Toxicity Data: Oral: (Oral rat LD50 - 7500 mg/Kg.)	Dermal: N.A.	Inhalation: N.A.

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SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE

USE ONLY IN WELL-VENTILATED AREAS

Respiratory Protection: Use a NIOSH approved respirator.

Protective Gloves: Latex or rubber.

Protective Clothing and Equipment: Chemical goggles or full-face shield. Use latex or rubber gloves and apron.

Storage Requirements: 34°F – 120°F

Storage Pressure: Atmospheric

General: KEEP OUT OF REACH OF CHILDREN. POISON. CORROSIVE.

Steps To Be Taken If Material Is Spilled Or Released: For land spill wear appropriate personal protective equipment. Neutralize with alkali materials (soda, ash, lime). Absorb with inert material and place in chemical waste container. For water spill follow local, state and federal guidelines

SECTION 8 - EMERGENCY FIRST AID PROCEDURES FIRST AID - NOTES TO PHYSICIAN

Ingestion: DO NOT INDUCE VOMITING. If victim is conscious give large quantities of limewater or milk. Get immediate medical aid.

Inhalation: Remove affected person to fresh air. If not breathing, give artificial respiration. Get immediate medical aid.

Eyes: Immediately flush eyes with water for at least 15 minutes. Get immediate medical aid.

Skin: Immediately remove contaminated clothing and shoes. Flush affected areas with water for at least 15 minutes. Get immediate medical aid.

NOTE TO PHYSICIAN: Treat for oxalic acid poisoning.

SECTION 9 – DOMESTIC & INTERNATIONAL SHIPPING INFORMATION:

Domestic Transportation Information

DOT Shipping Name: **ORM-D (Consumer Commodity)** for less than 5-gallon containers

DOT Hazard Class: **Toxic / Poison – Class 6.1** for quantities of 5 gallons or more

UN/NA Number: **UN 2927** for quantities of 5 gallons or more

Packing Group Number (PG): **II** for quantities of 5 gallons or more

Note: Package labeling required for shipments containing single 5 gallon or larger containers and placarding for shipments exceeding 1,001 lbs

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