

Material Safety Data Sheet

Marbacream®

Date of Preparation: September 1998

Revision: November 2005

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Marbacream®

Chemical Formula: Mixture

CAS Number: Mixture (See ingredients)

Other Designations: None

General Use: Marble Restoration Cream

Manufacturer: Stone Care International Inc. P.O. Box #703, Owings Mills, Maryland 21117-0703

Phone: 410-783-0045

24-Hour Phone Number for Medical & Spill Emergencies: 1-800-535-5053

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt.
Synthetic Isoparaffinic Hydrocarbon	64742-48-9	40 -80 %
Aluminum Oxide	1344-28-1	5 - 20 %
Potassium Oxalate	6487-48-5	< 15 %
Oxalic Acid	144-62-7	< 10 %
Precipitated Amorphous Silica	7631-86-9	< 10 %

Ingredient	CAS #	OSHA		ACGIH		NIOSH		IDLH
		PEL	STEL	TLV	STEL	REL	STEL	
Synthetic Isoparaffinic Hydrocarbon	64742-48-9	NE	NE	NE	NE	NE	NE	NE
Aluminum Oxide	1344-28-1	15 mg/m ³ (Total Dust) 5mg/m ³ (resp.)	NE	10 mg/m ³	NE	NE	NE	NE
Potassium Oxalate	6487-48-5	NE	NE	NE	NE	NE	NE	NE
Oxalic Acid	144-62-7	1 mg/m ³	NE	1 mg/m ³	2 mg/m ³	1 mg/m ³	2 mg/m ³	500 mg/m ³
Precipitated Amorphous Silica	112926-00-8	80 mg/m ³ % SiO ₂	NE	10 mg/m ³	NE	6 mg/m ³	NE	3000 mg/m ³

Section 3 - Hazards Identification

Potential Health Effects

Primary Entry Routes: Inhalation, Eyes, Contact with skin

Target Organs: Lungs, skin, eyes, kidneys.

HMIS	
H	2
F	2
R	0
PPE†	H
†Sec. 8	

Acute Effects:

Inhalation: May cause upper respiratory tract irritation, burns, coughing and sneezing. Hydrocarbon portion of this product could cause central nervous system effects including headache, dizziness, drowsiness and even death. Hydrocarbon vapors are not normally expected to be a concern unless the product is heated or used in very poorly ventilated spaces.

Eye: May cause severe irritation and burns. Potential corneal damage and blindness is possible.

Skin: May cause burning sensation, redness and irritation to the skin. Blistering of the skin has been reported in severe exposures. This product may be absorbed through the skin. Cyanosis of the skin has been reported with extended exposures.

Ingestion: Ingestion may be harmful or fatal if ingested. Likely to cause vomiting and nausea on ingestion. Hypotension and cardiovascular collapse are possible are a result of ingestion.

Carcinogenicity: IARC, NTP, and OSHA do not list the primary ingredients in this product as carcinogens.

Medical Conditions Aggravated by Exposure: Renal (kidney) disorders, asthma, chronic lung disease, dermatoses or any disorder affecting the mucus membranes.

Chronic Effects: Alumina is a low health risk by inhalation and should be treated as a nuisance dust. This product may contain silicates <1% by weight. This product is not expected to have crystalline silica as a component of the silicates. Most significant effects of this product have acute onset and are associated with oxalic acid.

Section 4 - First Aid Measures

Inhalation: Remove person to fresh air. If symptoms persist, obtain immediate medical attention. Keep affected person at rest.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, lifting the lids to ensure contact with all tissue of lids and eyes. Medical attention by an eye specialist should be provided as soon as possible.

Skin Contact: Promptly wash exposed areas with a soft soap and water for at least 15 minutes. If wetted product soaks through clothing, remove promptly and wash all exposed areas. Consult a physician promptly if irritation persists after washing. Wash clothing prior to reuse.

Ingestion: If swallowed, rinse mouth with water, do not swallow. Then dilute by drinking several glasses of milk. Milk is preferred but if unavailable water can be used. Do not induce vomiting. Consult a physician or poison control immediately. Never give anything by mouth to a convulsing, semi-conscious or unconscious person. If mouth-to-mouth is needed, use a barrier device to prevent exposure to rescuer.

Section 5 - Fire-Fighting Measures

Flash Point: ND for mixture. > 100°F

Flash Point Method: NA

Burning Rate: ND

Auto-ignition Temperature: ND

LEL: ND. Petroleum Hydrocarbon component: 0.7 %

UEL: ND. Petroleum Hydrocarbon component: 5.4 %

Flammability Classification: Combustible

Extinguishing Media: Dry chemical powder extinguisher, foam methods are preferred.

Unusual Fire or Explosion Hazards: Combustible liquids can generate accumulate static charges which can cause ignition, if product is heated above the flashpoint. Do not re-use containers. Do not cut or burn containers.

Fire-Fighting Equipment: Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing when fighting a fire involving this product.



Section 6 - Accidental Release Measures

Initial Actions: Keep unnecessary people away. Isolate hazard area and deny entry. Control all potential heat and ignition sources. Stay upwind. Ventilate spill area.

Small Spills: Wear appropriate protective equipment. Small spills can be cleaned up by using absorbent and collecting in a clean dry container and cover. Wash down spill area. Wash tools used for clean-up.

Large Spills: Wear appropriate protective equipment. Respiratory protection may be required for clean-up operations. Exposures must be determined for proper respiratory protection selection or use of maximum respiratory protection is indicated. OSHA requires that employees using this material be trained properly under (29 CFR 1910.1200 and/ or 29 CFR 1910.120) depending on the nature of the clean-up operation. Use absorbents to contain spill. Carefully shovel material and place in clean dry container and cover. Use non-sparking tools.

Section 7 - Handling and Storage

Handling Precautions: Review MSDS before use. Avoid contact with skin and clothing. Avoid inhaling dust. Keep dust conditions to a minimum. Keep container closed when not in use. Protective equipment should always be worn when working with this product. Do not handle near open flame, heat or sources of ignition.

Storage Requirements: Keep material in a dry, cool place. Keep from direct sunlight. Do not store inside vehicle where temperatures could exceed the flashpoint. Secure from access by children and pets.

Section 8 - Exposure Controls / Personal Protection

NOTE: HMIS PPE codes shown on the label in section 3 are maximum expected protection. More or less protection may be appropriate depending on the conditions of use. Each user must determine the appropriate code based on their use as recommended by the producer of the HMIS label.

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs and other occupational exposure limits (Sec. 2). This product has a low vapor pressure.

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 29 CFR 1910.134. A combination organic vapor and acid gas respirator would be appropriate protection for this product if protection factors are not exceeded.

Protective Clothing/Equipment: Wear appropriate gloves to avoid direct skin contact. Goggles are recommended to prevent direct eye contact. Impervious gloves (rubber or neoprene) and clothing (lab coat/coveralls, and waterproof boots when wet) should be worn if exposure is possible. Protect open wounds.

Other precautions: Do not eat or drink while using this compound, and keep out of reach of children and animals. Assure that running water is available in areas of use, to facilitate flushing in case of eye or skin exposure. In industrial settings, an appropriate eyewash facility should be available.

Section 9 - Physical and Chemical Properties

Physical State: Viscous Liquid

Appearance and Odor: Tan – Opaque with a Solvent odor.

Odor Threshold: ND

Vapor Pressure: < 0.78 mgHg @ 68F

Vapor Density (Air=1): >1.0

Formula Weight: ND

Density: ND

Specific Gravity (H₂O=1, at 4 °C): ND

pH: ND

Water Solubility: ND

Other Solubilities: ND

Boiling Point: ND

Melting Point: > 215 °F

Viscosity: ND

Refractive Index: ND

Surface Tension: ND

% Volatile: ND

Evaporation Rate: ND

Section 10 - Stability and Reactivity

Stability: Marabcream is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Reactive with oxidizers, strong alkalis, hypochlorites, chlorine trifluoride, fluorine, hydrogen fluoride, oxygen difluoride, and silver compounds.

Conditions to Avoid: None noted.

Hazardous Decomposition Products: This product may release formic acid when involved in high heat or fire situation, in addition to standard products of decomposition (CO, CO₂).

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. LD₅₀ for oxalic acid is reported as 33 mg/m³ (rat, acute). LD₅₀ for amorphous silica, precipitated is > 2000 mg/kg (oral, rat, acute)

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

* See NIOSH, *RTECS* (RO2450000) for additional toxicity data for oxalic acid.

* See NIOSH, *RTECS* (W73100000) for additional toxicity data for precipitated amorphous silica.

Section 12 - Ecological Information

Ecotoxicity: Information not available. By-products of bio-degradation are more toxic.

Section 13 - Disposal Considerations

Disposal: Collect in impervious containers. 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

<p>Shipping Name: ORM-D (consumer commodity) for less than 5 gal. containers for ground shipments only. Petroleum Distillates, N.O.S. for quantities of 5 gal. or more ground shipments and all air shipments.</p> <p>Hazard Class: Flammable Liquid, Class 3 for quantities of 5 gal. or more ground shipments and all air shipments.</p> <p>ID No.: UN 1268 for quantities of 5 gal. or more for ground shipment and all air shipments.</p> <p>Packing Group: III for 5 gal. or more and for all air shipments.</p> <p>Labels: Required for shipments containing single 5 gal. or larger containers and placards for all shipments over 1000 lbs.</p>	<p>Packaging Authorizations a) Exceptions: b) Non-bulk Packaging: c) Bulk Packaging:</p> <p>IMDG: Same as specified, except that ORM-D is not recognized. Hazard Class: 3.3 EmS No: 3-07 MFAG Table No: 311</p>	<p>Quantity Limitations a) Passenger, Aircraft, or Railcar: b) Cargo Aircraft Only:</p> <p>Vessel Stowage Requirements a) Vessel Stowage: B (Clear of Living Quarters) b) Other:</p>
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Section 15 - Regulatory Information

EPA Regulations:
 RCRA Hazardous Waste Number: Not determined. This product may be classed for ignitability and corrosivity.
 RCRA Hazardous Waste Classification (40 CFR 261.): Not classified
 CERCLA Hazardous Substance (40 CFR 302.4) Not listed
 CERCLA Reportable Quantity None
 SARA 311/312 Codes: Fire (petroleum distillates), Acute Health (amorphous silica, precipitated)
 SARA Toxic Chemical (40 CFR 372.65): Not listed
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

CA Proposition 65 List: NA

NJ Right-to-Know: Aluminum oxide is listed

PA Right-to-Know: Aluminum oxide is listed as an environmental hazard. (E); Oxalic Acid and Petroleum Distillates are listed.

OSHA Regulations:
 Air Contaminant (29 CFR 1910.1000, Table Z-1): Alpha-Alumina Total Dust (15 mg/m³) and Respirable Dust (5 mg/m³) Oxalic acid is regulated (1 mg/m³). Precipitated Amorphous Silica is regulated (equation based). See section 2.

Section 16 - Other Information

Prepared By: Steve High, Consultant

Revision Notes: NA

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NE = Not Established; NA = Not Applicable; ND = Not Determined