

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: CRYSTAL SHINE	<u>H.M.I.S. Rating</u>	<u>Rating Key</u>
Product Use: Marble Crystalizer	3 - Health	4=Extreme
Date Prepared: September 2000	0 - Fire	3=High
Date Last Revision: December 2003	0 - Reactivity	2=Moderate
DOT Hazard Class: Consumer Commodity (ORM-D) < 5-GL & 8, Sub-Risk (6.1) for ≥ 5-GL containers	B - Maximum Personal Protection	1=Slight 0=Insignificant

Formulated and 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

Hazardous Chemical Identity	CAS No.	%	PEL	TLV	LD50	LC50
Magnesium Hexafluorosilicate	16949-65-8	N.E.	2.5mg/m ³	2.5mg/m		
Phosphoric Acid	7664-38-2	N.E.	3.0mg/m ³	3.0mg/m ³		
This formula is a proprietary mixture with no other hazardous ingredients identified by the manufacturer.						VOC Content: <10 g/L

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Color: Opaque Cream	Odor: Acid	Boiling Point: >212 F / 100 C	Freezing Point:	Physical State: Liquid	PH: 0.5 - 2.0
Vapor Pressure (mm HG): Not Tested	Vapor Density (Air+1): Not Tested		Specific Gravity: 1.2		
Evaporation Rate (Water=0.3): Not Tested	Solubility in Water: Miscible				

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.E.	Flammable Limits: N.E.	Hazardous Combustion Products: N.A.	Autoignition Temperature: N.E.
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Extinguishing Media:
 Use a media that will extinguish the primary cause of fire
 Alcohol Foam, CO₂, Dry Chemical, Foam,
 Water Fog, Powders.
 Do not use water in the form of a jet.

LEL: N.A. UEL: N.A.

Special Fire Fighting Procedures: None	Unusual Fire and Explosion Hazards: None
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SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable (Yes)
 Incompatibility (Materials to Avoid): Avoid contact with strong Oxidizers, Ammonia
 Hazardous Decomposition of ByProducts: CO, CO₂
 Hazardous Polymerization: None

Conditions To Avoid: None

SECTION 6 - HEALTH HAZARD DATA/TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Skin Contact, Inhalation, Eye Contact	Sensitization: None	Toxicologically Synergistic Products: None Known
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Carcinogenicity: None Known	Teratogenicity: None Known	Mutagenicity: None Known	Reproductive Toxicity: None Known
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Medical Conditions Aggravated by Exposure: Same as listed in effects of overexposure listed below

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EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Ingestion: **POISONOUS-HARMFUL IF SWALLOWED. CORROSIVE:** Can cause severe burning or gastrointestinal irritation that may not be immediately visible or painful.

Skin: **CORROSIVE:** Severe Irritation or Burning; Discomfort or Dermatitis may occur from repeated or excessive contact.

Eyes: **CORROSIVE:** Direct Contact May Cause Tissue Destruction and possible permanent damage to corneas, blindness; Discomfort may occur from vapors.

Inhalation: **HARMFUL IF INHALED.** Can cause Dizziness, Headaches, Irritation or Burns to the respiratory tract that may not be immediately visible or painful.

EMERGENCY FIRST AID PROCEDURES - NOTE TO PHYSICIANS

Ingestion: DO NOT INDUCE VOMITING. If individual is conscious, drink 3-4 large glasses of water followed by mineral oil or egg whites. NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL TREATMENT IMMEDIATELY.

Skin: Flush with a large amount of water for at least 15-20 minutes. Remove contaminated clothing. Wash with a gentle soap and water, paying particular attention to under the fingernails. Get immediate medical attention, if irritation or burning sensation persists. Wash clothing before reuse.

Eyes: Flush with large amounts of water for at least 20 minutes holding eyelids open. If discomfort or irritation persists, seek medical attention immediately.

Inhalation: If affected, remove individual to fresh air. If breathing is difficult or symptoms persist, seek medical attention immediately.

SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Ventilate the area. Contain the spill by building a dike using inert absorbent material. Collect the remainder of the spill with inert absorbent material, scoop up and place into a waste disposal container. Flush area with water. Drain to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow draining into public waterways.

Waste Disposal: Dispose of as permitted by methods in accordance with applicable laws of all federal, provincial, state and local regulatory authorities.

Precautions to Be Taken in Handling & Storage: *Keep out of the reach of children and animals. Keep Away from Food and Feedstuffs.* Store in a cool, dry, well-ventilated area out of direct sunlight. Do not freeze, less than of equal to 32 F, or heat above 110 F. Keep caps sealed tightly. Keep all storage doors locked. Empty containers that contain vapor and product residue.

SECTION 8 - CONTROL MEASURES

Respiratory Protection: Use with adequate ventilation, open all doors and windows. Use a local or mechanical exhaust system if available to remove vapors. If overexposure occurs, and exceeds the TLV or PEL levels, a NIOSH/MSHA approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required in the absence of proper environmental control.

Protective Gloves: Use only with natural rubber, chemical resistant gloves.

Protective Clothing and Equipment: Use impervious natural rubber to prevent clothes from getting wet.

Eye Protection: Splash proof goggles or glasses with side shields should be used for any type of handling.

Hygienic and Work Practices: Use common sense and care around chemicals. Never mix chemical products. Wash hands with gentle soap and water after each use.

Keep out of reach of children and animals. Keep Away from Food and Feedstuffs.

*****FOR SALE TO & USE BY COMMERCIAL, INDUSTRIAL OR INSTITUTIONAL SERVICE PERSONNEL ONLY.*****

SECTION 9 - DOMESTIC & INTERNATIONAL SHIPPING INFORMATION:

Domestic Transportation Information

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

Corrosive Liquid, Toxic, N.O.S. (Contains Magnesium Hexafluorosilicate) for quantities of 5 gallons or more.

DOT Hazard Class: **8 - Sub-Risk (6.1)** for quantities of 5 gallons or more.

UN/NA Number: **UN 2922** for quantities of 5 gallons or more.

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

International Transportation Information: Same as above, except that ORMD exemptions and quantity limitations are not recognized

Shipping Name: *Corrosive Liquid, Toxic, N.O.S. (Contains Magnesium Hexafluorosilicate)* IMDG Page Number: 141

Hazard Class: **8 (Corrosive Liquid) & Sub-Risk 6.1 (Poison; Toxic)** EmS Number: 8-15

UN Number: **UN 2922**

Packing Group Number (PG): **III**

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

SECTION 10 - REGULATORY INFORMATION:

TSCA: All chemical components incorporated into this product are found on the TSCA Inventory List

CERCLA: *

SARA TITLE III(311/312 Hazard Categories): *

SARA TITLE III (313 Reportable Ingredients): *

CALIFORNIA PROPOSITION 65: *

EPA HAZARD WASTE CLASSIFICATION: *

*** THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US (INCLUDING THAT PROVIDED BY THE MANUFACTURER AND IS BELIEVED TO BE CORRECT. THE INFORMATION RELATES TO THIS SPECIFIC PRODUCT - IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. HOWEVER, STONE CARE INTERNATIONAL, INC. (SCI) MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. SUCH DATA ARE OFFERED SOLELY FOR CONSIDERATION, INVESTIGATION AND VERIFICATION. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS/HER OWN PARTICULAR USE. SCI ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

(Abbreviation Key: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined, * Where no corresponding data was contained in the manufacturer's MSDS, additional research is required and may be obtained upon request)