

Material Safety Data Sheet

MPP – Poultice Powder

Date of Preparation: November, 1997

Revision: November 2005

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: MPP Poultice Powder

Chemical Formula: CaSiO_3 & $2\text{Na}_2\text{CO}_3 \cdot 3\text{H}_2\text{O}$

CAS Number: Mixture

Other Designations: None

General Use: Mildew Stain Remover for Stone

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 Calcium Silicate	1344-28-1	40 -70 %
Sodium Carbonate Peroxyhydrate	15630-89-4	30 -60 %

Ingredient	CAS #	OSHA		ACGIH		NIOSH		IDLH
		PEL	STEL	TLV	STEL	REL	STEL	
Synthetic Calcium Silicate	1344-28-1	5 mg/m ³ (Resp.) 15 mg/m ³ Nuisance Dust	NE	10 mg/m ³	NE	5 mg/m ³ (resp.) 10 mg/m ³ Nuisance Dust	NE	NE
Sodium Carbonate Peroxyhydrate	15630-89-4	5 mg/m ³ (Resp.) 15 mg/m ³ Nuisance Dust	NE	3 mg/m ³ (Resp.) 10 mg/m ³	NE	5 mg/m ³ (resp.) 10 mg/m ³ Nuisance Dust	NE	NE

Section 3 - Hazards Identification

Potential Health Effects

Primary Entry Routes: Inhalation, skin contact, eye exposure.

Target Organs: Respiratory system, eyes, skin.

Acute Effects:

Inhalation: May cause upper respiratory tract irritation, coughing, burning and sneezing from inhalation.

Eye: May cause serious eye injury. Effects could be delayed.

Skin: Irritating to skin.

Ingestion: May cause severe irritation to the upper respiratory tract and/or intestinal tract on ingestion.

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

Medical Conditions Aggravated by Long-Term Exposure: Asthma, bronchitis, emphysema or any other chronic lung diseases. Dermatoses may be irritated by exposure.

Chronic Effects: Prolonged and repeated exposure to excessive concentrations of this product's dust or any nuisance dust can cause chronic pulmonary disease. Limited chronic health effect information is available for this product.

HMIS	
H	2
F	0
R	1
PPE†	H
†Sec. 8	

Section 4 - First Aid Measures

Inhalation: Remove person to fresh air. If mouth-to-mouth breathing is required, use a barrier device to prevent chemical exposure. If breathing difficulty or coughing do not immediately resolve, seek immediate medical attention. Health effects could be delayed by several hours. If symptoms develop, seek medical attention at once.

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. Do not apply any medicating agents except on the advice of a physician. Seek immediate medical attention.

Skin Contact: Rinse exposed areas with large quantities of water. Removed contaminated clothing immediately. Wash clothing prior to re-use. If skin irritation does not resolve, seek medical attention.

Ingestion: Do NOT induce vomiting. Provide 2-3 glasses of water. Do not give anything by mouth to an unconscious person. Contact a physician or poison control center immediately for additional direction. If mouth-to-mouth breathing is required, use a barrier device to prevent chemical exposure.

Section 5 - Fire-Fighting Measures

Flash Point: Non-Flammable

Flash Point Method: NA

Burning Rate: NA

Auto-ignition Temperature: NA

LEL: NA

UEL: NA

Flammability Classification: NA

Extinguishing Media: CO₂, water fog, foam.

Unusual Fire or Explosion Hazards: This material can react with common combustibles (paper, cloth) and cause heating or fire. Reactions may evolve over a period of time or occur quickly. Pressure build-up could occur with high heat or reaction.

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



Section 6 - Accidental Release Measures

Spills: Wear dust mask as needed. Avoid entry into waterways, drains or sewers. Absorb with inert material and/or use sweeping compound. Sweep up and place spilled material into a clean container and cover. Keep away from combustibles. Wash the spill area with a strong detergent. Cover with absorbent and sweep up and place in chemical container. Close container and dispose of in an approved manner. Flush the spill area with water to remove residue.

Section 7 - Handling and Storage

Handling Precautions: Review MSDS before use. Avoid inhaling dust. Keep dust conditions to a minimum. Keep container closed when not in use. Do not eat, drink, use tobacco, or apply cosmetics in areas where this product is being used. Avoid contact with eyes, skin and clothing. Wear protective equipment and wash thoroughly after handling.

Storage Requirements: Keep material in a dry, cool place. Avoid contamination with other products. Keep secured away from 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). Local exhaust ventilation is preferred because it 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: Respiratory protection is needed if exposure levels are exceeded. Respirator must provide the appropriate protection factors based on exposure levels. A NIOSH-approved P100 Respirator is suggested when needed. Respiratory use by employees is regulated by OSHA under 29 CFR 1910.134. Under normal conditions of use and with proper attention to dust control, exposure levels should not be exceeded.

Protective Clothing/Equipment: Goggles are recommended to prevent eye contact. Chemically protective gloves must be worn when using this product. Chemically protective apron and footwear is appropriate to protect clothing based on exposures possible during use. Glove / protective material recommended is PVC or neoprene.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: White powder

Odor Threshold: ND

Vapor Pressure: NA

Vapor Density (Air=1): Not applicable

Formula Weight: ND

Density: ND

Specific Gravity (H₂O=1, at 4 °C): ND

pH: < 11.0

Water Solubility: Negligible

Other Solubilities: ND

Boiling Point: NA

Melting Point: ND

Viscosity: NA

Refractive Index: ND

Surface Tension: NA

% Volatile: NA

Evaporation Rate: NA

Section 10 - Stability and Reactivity

Stability: This product is stable under normal conditions of use. Exposure to organics or water can cause reactions.

Polymerization: Hazardous polymerization will not occur under normal conditions.

Chemical Incompatibilities: This product can react with many different substances. Specific reactions are recognized with hydrofluoric acid. **DO NOT MIX** with other products.

Conditions to Avoid: Avoid contact with moisture except as specified instructions for use.

Hazardous Decomposition Products: Oxygen. Thermal decomposition can result in increasing decomposition rates and generation of large quantities of oxygen and steam.

Section 11 - Toxicological Information

Toxicity Data:*

Prolonged or repeated exposure to excessive dust concentrations of this product as any nuisance dust can cause chronic pulmonary disease. Limited toxicological data are available for this product.

LD₅₀ > 1034 mg/kg (rat / oral)

LC₅₀ > 4580 mg/m³ (1 hour)

Section 12 - Ecological Information

Ecotoxicity: No information.

Section 13 - Disposal Considerations

Disposal: This material may be defined by RCRA as a hazardous with a possible classification of D001. This material has not been evaluated for disposal. Household disposal of un-used product should be at hazardous waste collection site. Local, state regulations may vary regarding disposal. Contaminated material should be evaluated prior to disposal.

Disposal Regulatory Requirements: Follow all applicable federal, state, and local regulations for disposal.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Earth,
Diatomaceous, Crude or
Ground.

Shipping Symbols: NA

Hazard Class: Not Classed

ID No.: NA

Packing Group: NA

Label: NA

Special Provisions

(172.102):NA

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:

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not Determined (May be classed as D001)

RCRA Hazardous Waste Classification (40 CFR 261.): ND

CERCLA Hazardous Substance (40 CFR 302.4) Not listed

CERCLA Reportable Quantity None

SARA 311/312 Codes: Immediate (acute) and Fire

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

CA Proposition 65 List: NA

PA Right-to-Know: Not Listed

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1): Dust (15 mg/m³) and Respirable Dust (5 mg/m³).

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