

Material Safety Data Sheet

HONEX

Date of Preparation: September 1998

Revision: November 2005

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: HONEX

Chemical Formula: Al₂O₃

CAS Number: 1344-28-1

Other Designations: Honex Honing Powder

General Use: Honing Marble Surfaces

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.	
Aluminum Oxide		1344-28-1		99-100%	

Ingredient	CAS #	OSHA		ACGIH		NIOSH		IDLH
		PEL	STEL	TLV	STEL	REL	STEL	
Aluminum Oxide	1344-28-1	15 mg/m ³ (Total Dust) 5mg/m ³ (respirable)	NE	10 mg/m ³	NE	10 mg/m ³ 5mg/m ³ (respirable)	NE	NE

Section 3 - Hazards Identification

Potential Health Effects

Primary Entry Routes: Inhalation, Eyes, Contact with skin

Target Organs: Lungs, skin, eyes

Acute Effects:

Inhalation: May cause mild upper respiratory tract irritation.

Eye: May cause mild irritation, especially when wet

Skin: Prolonged or repeated exposure may cause mild irritation.

Ingestion: May cause mild irritation, nausea

Carcinogenicity: IARC, NTP, and OSHA do not list Aluminum Oxide as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Asthma, chronic lung and skin conditions.

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, and includes metal silicates, amorphous, and crystalline silica. Based on the chemistry, crystalline silica is not expected to be present in this product.

HMIS

H 1

F 0

R 0

PPE† E

†Sec. 8

Section 4 - First Aid Measures

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

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. Consult a Physician if irritation persists.

Skin Contact: Wash with soap and water for at least 15 minutes. Consult a Physician if irritation persists.

Ingestion: If swallowed, dilute with large amounts of water. Do not induce vomiting. Consult a physician or poison control immediately. Never give anything by mouth to a convulsing or unconscious person.

Section 5 - Fire-Fighting Measures

Flash Point: Non-Flammable

Flash Point Method: NA

Burning Rate: NA

Autoignition Temperature: NA

LEL: NA

UEL: NA

Flammability Classification: NA

Extinguishing Media: Use extinguisher applicable to surrounding fire

Unusual Fire or Explosion Hazards: None

Hazardous Combustion Products: None

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



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind. Ventilate closed areas before entering.

Small/Large Spills: Wear appropriate PPE. Carefully shovel material and place in clean dry container and cover. Clean up using dry procedures, avoid dusting. If reuse or recycling is not an option, material may be disposed of in an industrial landfill.

Section 7 - Handling and Storage

Handling Precautions: Avoid contact with skin and clothing. Avoid inhaling dust. Keep container closed when not in use. Protective equipment should always be worn.

Storage Requirements: Keep material in a dry place.

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 (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.

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.

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

Other precautions: Do not eat or drink while using this compound, and keep out of reach of children and animals.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance and Odor: White powder
 No odor.
Odor Threshold: None
Vapor Pressure: NA
Vapor Density (Air=1): Not applicable
Formula Weight: ND
Density: ND
Specific Gravity (H₂O=1, at 4 °C): 3.6-3.9
pH: 9.0 – 10.0

Water Solubility: Insoluble
Other Solubilities: Acids or alkalies
Boiling Point: NA
Melting Point: 2,000°C
Viscosity: NA
Refractive Index: ND
Surface Tension: NA
% Volatile: NA
Evaporation Rate: NA

Section 10 - Stability and Reactivity

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

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: This product is not reactive with most other substances. Chlorine trifluoride and ethylene oxide will react violently with this product.

Conditions to Avoid: A rise in temperature may result from contact with water.

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Toxicity Data:*

Inhalation Effects:

No LC50 found.

Oral Effects:

No LD50 found. This product is not readily absorbed by the GI tract.

* See NIOSH, RTECS (W91500000), for additional toxicity data.

Section 12 - Ecological Information

Ecotoxicity: Generally not hazardous for water.

Section 13 - Disposal Considerations

Disposal: Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at an industrial landfill.

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

DOT Transportation Data (49 CFR 172.101):

Shipping Name: NA
Shipping Symbols:
Hazard Class: NA
ID No.: NA
Packing Group: NA
Label:
Special Provisions (172.102):

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 listed
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: Immediate (acute), if particulates are generated during processing
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: This product is listed as an environmental hazard. (E).

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1): Alpha-Alumina Total 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