

Mira Hone

To Hone, Remove Light Scratches, Etch Marks in

- Marble
- Travertine
- Terrazzo
- Limestone

Uses

- Floors
- Restrooms
- Showers
- Kitchens
- Counters

Special Features

- Easy-to-Use
- Non-Acid
- Effective
- Non-Coating
- Can Be Used w/Lippage
- Never Yellows
- No Stripping
- Cost Effective

PRODUCT DESCRIPTION

KEEP OUT OF REACH OF CHILDREN. **Mira Hone** is a unique, natural, non-wax powder compound for honing and deep cleaning marble, travertine, limestone and terrazzo. **Mira Hone** can effectively be used on floors with "lippage" to remove scratches, etch marks, light weight traffic patterns. **Mira Hone** can be used to prepare the stone surface prior to using one of the **Miracle Sealants** final polishing products. The combination offers an effective way to maintain the natural beauty of the stone, while providing a durable, slip resistant surface.

Sample Testing

Due to the differences of each material, several inconspicuous test patches should be completed to assure maximum performance. **User must determine suitability of the product for their intended use.**

Protect Neighboring Surfaces

Always protect neighboring surfaces including wood, metal, carpet, baseboards, fabric, landscaping, etc.

APPLICATION INSTRUCTIONS

Read the entire label and PDS/MSDS before starting.

- a. All previous applied coatings and/or waxes must be removed using **Mira Strip** or **Finish Sealer Stripper** as directed.
- b. Apply a small amount of water to the stone surface. Work in approximately 25 - 35 square feet at a time. Do not work large areas.
- c. Sprinkle a handful of **Mira Hone** onto the wet surface (approximately 5 ounces per 25 square feet).
- d. Buff the **Mira Hone** with a **Marble Master** floor machine creating a slurry with a natural hair brush or red nylon pad for approximately 10 minutes per 25-35 square feet.
- e. Move slurry aside with a squeegee. Check for desired results. Work longer if necessary. Move the slurry to the next section and add **Mira Hone** and water as needed. **DO NOT ALLOW Mira Hone TO DRY ON THE SURFACE.**
- f. Remove excess slurry with a wet vacuum. Damp mop and let dry.
- g. For a higher polish, the surface is now prepared for one of the polishing compounds: **Marble Conditioner** or **Mira Dust**.

Heavy Duty Cleaning: Use **Phosphoric Acid Cleaner**, **HDAC** or **Liquid Poultrice** as directed.

Light Cleaning: Use **Tile & Stone Cleaner**, **Limestone/Travertine Soap**, **Grout Cleaner**, or **Counter Kleen** as directed.

Coverage

Coverage will vary depending on density, porosity, texture, surface absorption, weather, time solution left on surface and application methods. Used as directed, **Mira Hone** will cover approximately 80 - 115 square feet per pound (7 - 11 square meters).

Water, Stain & Slip Protection

To protect cleaned area from future soiling and staining and increase static coefficient of friction, we recommend applying the appropriate **Miracle Penetrating Sealer/Impregnator**.

MAINTENANCE

How often **Mira Hone** is used will depend on the surface and the traffic it is exposed to on a day-to-day basis. For ongoing maintenance instructions please refer to **Miracle Sealants Care Guide**. Refer to the **Miracle Sealants Product Recommendation Chart** for specific product recommendations.

Storage

Store **Mira Hone** in the original upright container, properly sealed and unmixed. Stored at 77° F (25° C), **Mira Hone** will have a shelf life of 12 months. Do not allow to freeze.

Technical Support

For additional technical support, contact Miracle Sealants Company at 1-800-350-1901 or 626-443-6433 ext. 3013

Office Hours

Monday - Friday from 8:30 am - 5:00 pm PT.
1-626-443-6433 or 1-800-350-1901 • Fax: 1-626-443-1435
website: www.miraclesealants.com

Product Damaged During Transportation

If product is damaged during transportation contact Info Trac @ 1-800-535-5053 for additional information 24 hours a day.

Additional Products

Miracle Sealants Company offers a complete line of water & stain repellents, sealers, cleaner, polishing compounds, diamond abrasives, machinery and accessories for the tile, stone, concrete, metal, fabric and carpet professional or do-it yourself specialist.

Caution

Use in a well ventilated area. This product contains a corrosive and must be used as directed. **KEEP OUT OF REACH OF CHILDREN.** Avoid contact with food or beverages and risk of accidental ingestion. Do not transfer to other bottles or containers. Protect skin and eyes. If exposed flush with water. Chemical resistant gloves should be worn at all times. Keep small children and pets out of the area until product or surface has thoroughly dried. **Refer to MSDS for additional information.**

Warranty

Instructions are a condensed guide and should not be considered complete. In the event of failure, the only obligation of Miracle Sealants Company shall be to replace such products proven to be defective. **Before using, user shall determine the suitability of the product for their intended use. User assumes all risks and liability whatsoever in connection therein.** Neither seller nor manufacturer shall be liable for any injury or inability to use this product.



Safety Data Sheet

Issue Date: 01-Feb-2012

Revision Date: 07-Jan-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name MIRA HONE

Other means of identification

SDS # MSC-030

Recommended use of the chemical and restrictions on use

Recommended Use To hone, remove light scratches and etch marks from marble, travertine, terrazzo and limestone surfaces. For professional use only.

Details of the supplier of the safety data sheet

Supplier Address

Miracle Sealants Company
12318 Lower Azusa Road
Arcadia, CA 91006

Emergency Telephone Number

Company Phone Number 1-626-443-6433 (Phone)
1-626-443-1435 (Fax)

24 Hour Emergency Phone Number For technical support call: 1-800-350-1901

Emergency Telephone (24 hr) For product spills, leaks or exposures call:
Infotrac 1-800-535-5053 (North America) or 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance White powder

Physical State Solid Powder

Odor None

Classification

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

GHS Classification

The product is not classified as hazardous according to GHS

2.2. Label Elements

Symbol(s)



Signal Word
Warning

Hazard Statements
None

Precautionary Statements

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear eye protection/ face protection

P285 - In case of inadequate ventilation wear respiratory protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

2.3. Other information
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Aluminum Oxide	1344-28-1	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Do not induce vomiting. Immediately call a poison center or doctor/physician.

Most important symptoms and effects

Symptoms	May cause mild irritation. May include redness, drying and cracking of skin. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. Exposure may aggravate existing burns, lacerations.
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5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products No information available.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment as required.
- Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

- Methods for Containment** Prevent further leakage or spillage if safe to do so.
- Methods for Clean-Up** Vacuuming or wet sweeping may be used to avoid dust dispersal. Put collected waste material in plastic containers for disposal. Rinse area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For Industrial or professional use only. Please read Mira Hone™ Information Sheet carefully before using. Avoid contact with skin, eyes or clothing. Appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep/store only in original container. Store containers upright. Keep from freezing.
- Incompatible Materials** None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum Oxide 1344-28-1	TWA: 1 mg/m ³ respirable fraction	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	-

Derived No Effect Level (DNEL) 3 mg/m³, respirable, 8 hour TWA

Predicted No Effect Concentration (PNEC) No information available

Appropriate engineering controls

- Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Use adequate ventilation. Local exhaust preferable. Refer to OSHA Standards 1910.94, 1910.107, 1910.108. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Engineering Controls	Ensure adequate ventilation, especially in confined areas. Avoid dust formation.
Eye/Face Protection	Chemical anti-splash safety goggles.
Skin and Body Protection	Protective gloves: Plastic or rubber, chemical resistant Protective clothing or equipment: Chemical resistant clothing.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. Dust mask. Use additional appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Work hygienic practices: Wash hands thoroughly before handling foodstuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid Powder	Odor	None
Appearance	White powder	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	(wet) 8-10	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapor Pressure	Not available	
Vapor Density	1	(Air=1)
Specific Gravity	Not determined	
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	0% by weight	
Density	2.7 – 3.94 g/cm3	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Avoid breathing vapors or mists.

Ingestion May be harmful if swallowed.

Component Information Not available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aluminum Oxide 1344-28-1	> 5000 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

11.1. Information on toxicological effects

Acute Toxicity

Acute oral toxicity - Conclusive but not sufficient for classification
 Acute dermal toxicity - Conclusive but not sufficient for classification
 Acute inhalation toxicity- Conclusive but not sufficient for classification

Chronic Toxicity

Irritation- Conclusive but not sufficient for classification
 Corrosivity- Conclusive but not sufficient for classification
 Sensitization- Conclusive but not sufficient for classification
 Mutagenic Effects - Conclusive but not sufficient for classification
 Carcinogenic effects - Conclusive but not sufficient for classification
 Reproductive Effects - Conclusive but not sufficient for classification
 Developmental Effects - Conclusive but not sufficient for classification
 Aspiration Hazard - Conclusive but not sufficient for classification

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Not available

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Not classified as dangerous in meaning of transport regulations.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed - *Complies*

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List Listed on DSL*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances - Complies*
- ENCS - Japan Existing and New Chemical Substances - Complies*
- IECSC - China Inventory of Existing Chemical Substances - Complies*
- KECL - Korean Existing and Evaluated Chemical Substances - Complies*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances - Complies*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Aluminum Oxide - 1344-28-1	1344-28-1	Proprietary	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania

Aluminum Oxide 1344-28-1	X	X	X
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16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	0	0	None
<u>HMS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

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 Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet