

MATERIAL SAFETY DATA SHEET

105R Marble Polishing Fluid



Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product: 105R Marble Polishing Fluid

Distributor: GranQuartz, L.P.

Address: P.O. Box 2206
Tucker, GA 30085-2206/USA

24-Hour Emergency Telephone Number:
1-800-255-3924 (USA & Canada) or 813-248-0585

MSDS#: 1005

Prepared: 11/9/01

By: GranQuartz, L.P.

For additional product information call GranQuartz at 800-458-6222 or 770-621-9777 during regular business hours.

Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Material	Content
16949-65-8	Magnesium Fluorosilicate	10% by weight

This material is classified as hazardous under OSHA regulations.

(See Section 8 for exposure guidelines)

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Opaque orange liquid. Chemical irritates or burns skin, eyes, and mucous membranes. Toxic if ingested. Presents no unusual hazard if involved in a fire.

POTENTIAL HEALTH EFFECTS

Inhalation: Inhalation of mist may cause severe mucous membrane irritation and burns.

Skin Contact: Burning, Irritation

Eye Contact: Burning, Irritation

Ingestion: Toxic, Burning, Irritation

Signs and Symptoms of Exposure: Effects may not be immediately apparent. First aid procedures should be followed even in cases of suspected contact.

Long-term or Repeated Exposure: Causes severe skin irritation and burns. Ingestion or inhalation may be harmful and possibly fatal depending on severity and length of over-exposure. Chronic over-exposure may cause fluorosis. Product may be absorbed through the skin and produce signs of fluorosis such as weight loss, brittleness of bones, anemia, weakness, and stiffness of joints. Internal bleeding may develop.

Aggravated Medical Condition: Any skin disorder, respiratory and/or mucous membrane condition

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POTENTIAL ENVIRONMENTAL EFFECTS

Unknown

Section 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large amounts of water, lifting the upper and lower lids at periodic intervals to insure that the water contacts all accessible tissue of the eyes and lids. Get medical attention, preferably an eye specialist, as soon as possible.

Skin Contact: Remove contaminated clothes. Promptly wash the contaminated skin using mild detergent and water, especially around the nails. If irritation persists after washing, get medical attention.

Inhalation: Remove exposed person promptly to fresh air. Get medical attention as soon as possible.

Ingestion: Do NOT induce vomiting. Drink large quantities of water followed by milk of magnesia. Get medical attention immediately.

NOTE TO PHYSICIANS

Exposed person should be observed for 48 – 72 hours for the delayed onset of pulmonary edema.

Section 5: FIRE FIGHTING MEASURES

Flash Point: None

Explosive Limits: Upper: None
Lower: None

Extinguishing Media: Not Applicable

Protection of Firefighters: Wear full fire-fighting turnout gear (full Bunker gear), and respiratory protection (SCBA).

Fire and Explosion Hazards: None

Section 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb spill with an inert material (e.g., dry sand or earth), then place in a proper waste disposal container.

Large Spill: Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid with an inert material (e.g., dry sand or earth) and place in a proper waste disposal container.

Section 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation.

Storage: Store in a cool, dry place.

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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Control vapor concentration below the exposure limits. Use only with adequate ventilation. Local exhaust ventilation may be necessary.

Respiratory Protection: When respiratory protection is required use a NIOSH approved air-purifying respirator equipped with appropriate cartridges or canisters.

Skin Protection: Wear chemical-resistant clothing and gloves.

Eye/face Protection: Wear splash-resistant safety goggles.

EXPOSURE GUIDELINES

OSHA: PEL 3 mg/m³

ACGIH: TLV 3 mg/m³

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque orange liquid

Odor: Orange odor

pH: 0.5 – 3.0

Vapor Pressure: Not Available

Vapor Density (air = 1): Not Available

Boiling Point: 212°C

Freezing Point: Not Available

Solubility in Water: Miscible

Specific Gravity (water = 1): 1.100

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None

Incompatibility Hazards: Avoid strong oxidizers, chlorine releasing chemicals, and ammonia.

Hazardous Reactions: None known

Hazardous Decomposition Products: None known

Hazardous Polymerization: Will not occur

Section 11: TOXICOLOGICAL INFORMATION

Toxicology: Product not tested.

Section 12: ECOLOGICAL INFORMATION

Ecology: Product not tested.

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Section 13: DISPOSAL CONSIDERATIONS

Product Disposal: Dispose in accordance with state and local regulations.

Section 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name: Fluorosilicates, n.o.s. (Magnesium Fluorosilicate)
Class: 6.1
UN Number: 2856
Packing Group: III

IMO

Class: 6.1

IATA

Class: 6.1

Section 15: REGULATORY INFORMATION

Section 16: OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither GranQuartz, L.P., nor any of its subsidiaries assumes any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Revisions:

11/9/01: Expanded Product and Company Information