

# Material Safety Data Sheet



## Diamondize XP Protective Treatment

GLASS, PORCELAIN, TILE, SILICA BASED SURFACES

GRANITE

**IDENTITY:** Diamondize Protective Treatment

**Date Prepared:** February 25, 2011

### SECTION I

**Manufacturer's Name:** Micro MED

**Address:** 1807 Carnegie Avenue  
Santa Ana, CA 92705

**Emergency Telephone Number:** (800) 255-3924

**Telephone Number for Information:** (877) 234-9452

### SECTION II – Hazardous Ingredients/Identity Information

Hmis: Health 2 Fire 3 Reactivity 1 Personal Protection G/H

Hazardous Components (Specific Chemical Identity; Common name (s):

<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% (optional)</u>
Alkali Silane	45 ppm	
Solvents/Alcohol/Exempt	55 ppm	
Additives	1000 ppm	

CAS#'s: Silane 78-62-6, Ethyl Alcohol 64-17-5

CAS#'s IBTS 18395-30-7, TLV not established

CAS#'s Methanol 67-56-1, TLV 20 ppm - skin

NO OTHER HAZARDOUS MATERIAL PRESENT

### SECTION III – Physical/Chemical Characteristics

Boiling point	150-160F	Evaporation Rate: (Ether = 1)	7
Vapor Pressure:	33 mmHg		
Vapor Density (AIR = 1)	2.0	VOC: 450 grams per liter	
Specific Gravity (H2O = 1):	.81	Solubility in water:	90%
Melting Point:	No Data		

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Appearance and odor: Clear liquid, slight odor.

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### SECTION IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Closed Cup 100°F  
Flammable Limits: LEL: 2.5 UEL: N.A.

Extinguishing Media: \_ Foam, CO<sub>2</sub>, dry chemical or water

Special Fire Fighting Procedures: Self-contained breathing apparatus with a full-face piece operated in pressure-demand or other positive pressure mode.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot light, other flames, and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

NFPA Standard: Health Hazard: 1 Flammability: 2 Reactivity: 0

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### SECTION V – Reactivity Data

Stability: Unstable: Stable: X Conditions to Avoid:

Incompatibility (Materials to Avoid): Contact with strong oxidizing agents. (e.g. Nitric Acid)

Hazardous Byproducts: SiO<sub>2</sub>, CO, CO<sub>2</sub>, and traces of incompletely burned carbon products.

Hazardous Polymerization: May Occur: Will not occur: X Conditions to Avoid:

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### SECTION VI – Health Hazard Data

Threshold Limit Value: 400 ppm

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic):

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure:

EYES: Can cause severe irritation, redness, tearing, blurred vision.

SKIN: Prolonged or repeated contact can cause irritation, defalcating, and dermatitis.

BREATHING: Can cause nasal and respiratory irritation, dizziness, nausea, headache, and possible unconscious.

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SWALLOWING: Can cause nausea, vomiting and diarrhea. Aspiration into lungs can cause pneumonia.

### Emergency and First Aid Procedures:

**HEALTH EMERGENCY: CHEMTEL (800) 255-3924**

EYES: Flush with water for at least 15 minutes and seek immediate medical attention.

SKIN: Wash with soap and large quantities of water. Seek medical attention if irritation from contact persists.

INHALATION: If breathing difficulties, dizziness, or headaches occurs when working in areas with high vapor concentrations, victim should seek air free of vapors. If breathing stops, start artificial respiration and seek immediate medical advice and/or attention.

SWALLOWING: **DO NOT INDUCE VOMITTING.** Seek immediate medical attention.

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### SECTION VII: - Precautions for safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbent such as vermiculite.

Waste Disposal Method: Dispose of product in accordance with local, county, state and federal regulations.

Precautions to be Taken in Handling and Storing: Keep product container cool, dry and away from sources of ignition. Store in an area with adequate ventilation.

Other Precautions: Personnel should avoid inhalation of vapors. Should product splash on a person, remove saturated clothing and flush contaminated areas. Launder clothing before reuse. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid) all hazard precautions given on this data sheet must be observed.

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### SECTION VII: – Control Measures

Respiratory protection (Specify Type): If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised.

Ventilation                      Local Exhaust: Provide sufficient ventilation mechanical and/or local exhaust to maintain exposure below TLV's

Mechanical (General):

Other:

Special:

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Protective Gloves: The use of Nitrile rubber gloves is advised to prevent skin irritation in sensitive individuals.

Eye Protection: Use goggles or face shields to safeguard against potential eye contact.

Other Protective Clothing or Equipment: To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

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### SECTION VIII – Transportation

#### DOT/UPS

Proper Ship Name  
Alkoxy Silane

DOT Haz. Class 3

DOT ID # UN2380

Packing Group PG 11

Label Required FLAMMABLE LIQUID

#### IATA

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Alkoxy Silane

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