

Material Safety Data Sheet

PORCELAIN SILANE

MSDS, Rev. 1

Last revised: 08-October -2008

Approved for Use: 29-July 2003

1. Chemical product and company identification

Product Name: PORCELAIN SILANE

Company Name: Premier Dental Products Company
1710 Romano Drive
Plymouth Meeting, PA 19462 USA
Tel: 610-239-6000
Fax: 610-239-6171
Emergency Tel: 610-239-6000

2. Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity Common Names(s))

Chemical Name:	OSHA PEL:	ACCGIH TLV	Other Limits Recommended
Gamma-methacryloxypropyltrimethoxysilane (CAS# 2530-85-0)	None	established	
Ethanol (CAS# 64-17-5)	1000 ppm	1000 ppm	
Isopropanol (CAS# 67-63-0)	400 ppm	400 ppm	
Methanol (CAS# 67-56-1)	200 ppm	200 ppm	
Acetone (CAS# 67-64-1)	750 ppm (TWA)	750 ppm (TWA)	1000 ppm (STEL)

3. Physical/Chemical Characteristics

Boiling Point: N/A

Specific Gravity (H₂O = 1):

Vapor Pressure (mm Hg.): N/A

Melting Point: N/A

Vapor Density (Air = 1): N/A

Evaporation Rate (Butyl Acetate = 1): Rapid as for alcohol

Solubility in Water: Complete; water activates silane bonding

Appearance and Odor: Clear, colorless, volatile liquid with alcohol odor

4. Fire and Explosion Hazard Data

Flash Point (Method Used): Flammable

Flammable Limits: N/A

- Extinguishing Media:** Dry chemical, Foam, or Carbon Dioxide. Water may be ineffective.
- Special Fire Fighting Procedures:** Wear protective clothing and self-contained breathing apparatus with full facepiece.
- Unusual Fire and Explosion Hazards:** Avoid heat, sparks, flame exposure. Vapors may flow along surfaces to distant ignition sources and flash back.

5. Reactivity Data

Stability

- Stable:** Yes
- Conditions to Avoid:** Store away from light, heat and moisture.
- Incompatibility (Materials to Avoid):** Oxidizing agents
- Hazardous Decomposition or Byproducts:** None
- Hazardous Polymerization:** Will not occur

6. Health Hazard Data

- Route(s) of Entry:** Inhalation
Skin
Ingestion
Eyes
- Health Hazards (Acute and Chronic):** ACUTE:
Inhalation – small quantities may be irritating.
Skin – may cause irritation, burning or stinging.
Ingestion - this product is poisonous. Can cause blindness or fatality.
Eyes - vapor can cause irritation; liquid may cause damage.
CHRONIC:
No info. Found. Would be unlikely with dental use.
- Signs and Symptoms of Exposure:** Local irritation, headache, nausea, vomiting, dizziness
- Medical Conditions Generally Aggravated by Exposure:** Liver disorders, skin disorders, chronic irritation of mucous membranes.
- Emergency and First Aid Procedures:** INGESTION: Give large amounts of water. Induce vomiting. Call Physician.
SKIN: flush with water.
INHALATION: remove to fresh air.
EYES: Flush with water at least 15 minutes.

7. Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:

For the small amounts used in dentistry, cleanup with wet rag is usually sufficient. Larger spills may be soaked up with sand or other non-combustible absorbent material.

Waste Disposal Method:

Sewer disposal with large amounts of water.

Other precautions:

Store as a flammable material, away from heat, light and sources of ignition.

8. Control Measures

Respiratory Protection (Specify Type):

N/A

Ventilation – Local Exhaust:

General

Mechanical (General):

N/A

Protective Gloves:

Recommended

Eye Protection:

Recommended

Other Protective Clothing or equipment:

None

Work/Hygienic Practices:

General safe practices

Legal Disclaimer:

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from the handling or from contact with the above product.

100840 Rev2