



Safety Data Sheet

Section 1: Identification

Product Name: Porcelain Silane

Product Use: Silane solution used after etchant to enhance the bonding of resin material.

Manufacturer: Inter-Med, Inc. / Vista Dental Products

Address: 2200 South St. Suite A, Racine, WI 53404

Phone: (877) 418-4782 **Fax:** (262) 636-9760

24 HR. Emergency Telephone Number CHEMTREC (North America) : 800-424-9300

24 HR. Emergency Telephone Number CHEMTREC (International) : +1 (703) 527-3887

Section 2: Hazard(s) Identification

Xi – Irritant; F – Flammable

Acute & Chronic Hazards:	May cause eye, respiratory and skin irritation. Material is not known to cause significant health problems.
Signs and Symptoms of Exposure:	High concentrations can cause eye and respiratory irritation. Prolonged skin exposure can cause dryness.
Primary Routes of Exposure:	Inhalation, skin contact, eye contact.
Carcinogenicity:	NTP- no, OSHA – no, IARC –no.

Section 3: Composition/Information on Ingredients

Chemical Entity (Components)	CAS No.	Hazard Identification & Risk Phrases	Percentage, wt%
Ethyl alcohol	64-17-5	F, R11	96.0
Stabilizer	2530-83-8	Xi, R36-38	4.0

Additional information: For wording of the listed risk phrases refer to section 16.



Section 4: First-Aid Measures

Inhalation:	If irritation occurs, take victim to open air. Get medical attention.
Ingestion:	Drink two glasses of water or milk. Seek medical attention if a substantial amount has been ingested. Do not induce vomiting.
Skin:	Wash with soap and water.
Eye:	Flush with large quantities of water for 15 minutes. Consult a physician.

Section 5: Fire-Fighting Measures

Extinguishing Media:	Carbon dioxide, foam or dry chemical.
Flash Point	18°C / 64°F (Ethanol)
Unusual Fire and Explosion Hazards:	Upon combustion, irritating gases may form.

Section 6: Accidental Release Measures

Personal Precautions:	Prevent skin/eye contact.
Environmental Precautions:	Avoid ground water contamination
Clean Up Procedure:	Wipe with damp paper towel. Discard properly.

Section 7: Handling and Storage

Handling:	No special measures necessary if handled according to instructions.
Storage:	Keep containers tightly closed when not in use. Keep about 10°C. Keep material in original packaging. Avoid extreme heat and light.

Section 8: Exposure Controls/Personal Protection

Exposure Controls:	Use only in well ventilated areas.
Hygiene Measures:	Remove spilled material from skin and clothing. Do not eat or drink when handling this material.
Eye Protection:	Use protective eyewear.
Skin and Hand Protection:	Avoid unnecessary skin contact. Wear latex gloves when handling.



Section 9: Physical and Chemical Properties

Appearance	Colorless liquid
Odor	Odorless
Vapor Density (Air = 1)	N/A
Boiling Point	N/E
Evaporation Rate	N/A
Solubility in Water	Miscible
Solubility in Organic Solvents	Soluble in alcohols, ketones, etc.

Section 10: Stability and Reactivity

Stability:	This material is stable.
Conditions to Avoid:	Heat.
Hazardous Reactions:	None if handled according to directions.
Incompatibility:	Strong caustics, metals, sulfides, and sulfites.

Section 11: Toxicological Information

Acute Oral Toxicity:	LD ₅₀ (rat) > 5000 mg/kg
Irritation to Eyes:	Irritates the eyes.
Irritation of Skin:	May irritate the skin.
Allergic Effects:	May cause allergic reaction on contact with skin.
Other:	If swallowed, may cause sore throat and burns of the mouth and throat. Prolonged exposure may cause burns to the respiratory tract, contact with soft tissues may cause burns.

Section 12: Ecological Information

There is no specific information on the product. Use according to good working practices, avoiding release of the product into environment.

Section 13: Disposal Considerations

May be disposed of in landfill or incinerator In accordance with local, state and federal regulations.

To minimize exposure, refer to section 8 (exposure controls/personal protection).



Section 14: Transport Information

14.1 Transport at land:

ADR: 3

RID: 3

UN Number: 1170

Kemler Number: ---

Packing Group: III

Proper shipping name: Ethanol Solution

14.2 Transport at sea:

ADNR: 3

IMDG: 3

UN Number: 1170

EMS: F-E, S-D

Packing Group: III

Proper shipping name: Ethanol Solution

14.3 Air transport

ICAO / IATA-DGR: ---

UN Number: 1170

Proper shipping name: Ethanol Solution

Subsidiary Risk: ---

Labels: Ethanol Solution

Packing Group: III

U.S. DOT Shipping Name: Ethanol Solution

U.S. DOT Hazard Class: 3

Number: UN1170

U.S. Dot Packing Group: III

Other: Class 3 Flammable Liquids.

Section 15: Regulatory Information

This product requires classification according to the criteria of EC. The product is a medical device according to the EC-directive 93/42.

UN Number: 1170

National Regulations:

EU Number:

Hazard Symbols

Xi,



F,





Hazard Designation

Risk Phrases

Safety Phrases:

Xi: Irritant, F: Flammable. Contains Ethyl Alcohol.

R: 11, 36, 37/38

11 Highly flammable.

36 Irritating to eyes.

37/38 Irritating to respiratory system and skin.

S: 2, 9, 16, 23, 26, 28, 24/25, 37/39

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe vapour.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water and soap.

24/25 Avoid contact with skin and eyes.

37/39 Wear suitable gloves and eye/face protection.

U.S. – O.S.H.A. Status: This material is Xi: Irritant. F: Flammable under the criteria the U.S. Federal Hazard Communication Standard.

Section 16: Other Information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall establish a legally valid contractual relationship.

Relevant R-phrases

11 Highly flammable.

36 Irritating to eyes.

37/38 Irritating to respiratory system and skin.

Xi Irritant.

Material should be maintained in original containers. Empty containers should not be re-used.

AN SI / NFPA 704 DATA

Fire = 3

Health = 1

Reactivity = 1 Specific



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