

Material Safety Data Sheet**Silmet Adhesives (Classification according to Directive 790/2009/EC)****Date of issue: 01.12.15 Rev. 1****SECTION 1: Identification of Product and Company**

Product name: ProVeneer Bond
Manufacturer's name: Silmet Ltd.
Address: 12 Hassadna St. Industrial Park
City/Country: Or-Yehuda Israel 6022011
Emergency Telephone: 972-3-7353000
Issue Date: 01/12/2015

Product Use:

Limitations on Use: For use only by dental professionals

Specific Use: Dental Adhesive

SECTION 2: Composition/Information on ingredients

Hazardous Ingredients	CAS#	Hazard Identification & Risk Phrases	Percentage
Acetone	67-64-1	F, Xi, R11/36/66/67	40.0%
Urethandimethacrylate	72869-86-4	Xi, R36/37/38	10.0%
Urethane modified dimethacrylate	126646-17-1	N/E	6.0%
Triethyleneglycoldimethacrylate	109-16-0	Xi	14.0%
2-Hydroxyethylmethacrylate	868-77-9	Xi, R36/38-43	10.0%
Multifunctional dimethacrylates	24448-20-2	Xi, R36/37/38	8.0%
4-methacryloxyethyltrimellitic acid	70293-55-9	Xn; R22-36/38-43	1.0%
Fumed Silica	7631-86-9	N/E	1.0%
Photoinitiators	10287-53-3 10334-26-6	Xi, R36/37/38 N/E	1.0%
Ethanol	64-17-5	F, R11	9.0%

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

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SECTION 3: Hazards Identification

Harmful if swallowed
Xi Irritant; Flammable.

Acute Health Hazards: May cause eye, respiratory and skin irritation.
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 4: First Aid Measures

4.1 First Aid Procedures
Immediately flush contaminated eye/skin area with large amounts of water. Seek medical attention.
Inhalation: Remove person to fresh air, seek medical attention if symptoms persist.
If large ingestion, do not induce vomiting, seek medical attention.

SECTION 5: Fire Fighting Measures

Flash Point: N/E
Extinguishing Media: Carbon dioxide, water spray, dry chemical.
Special Fire Fighting Procedures: Avoid a direct jet of water.
Unusual Fire and Explosion Hazards: None.

SECTION 6: Accidental Release Measures

Environmental Precautions: Avoid seepage into suvers and water supplies.
Clean-Up Procedure: Contain spill and pick up material with a suitable absorbent material. Place absorbent into a container for later disposal. Clean spill area with detergent and water.

SECTION 7: Handling and Storage

Handling Precautions	Keep away from sources of ignition
Precautions in case of fire and Explosion	Not determined
Storage conditions	Store in a cool, dry place away from heat, light and ignition sources.
Suggested containers	Original containers provided by Manufacturer
Indication for combined storage	Avoid contact with reducing and oxidizing agents, peroxides and amines

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<i>Precautionary Measures</i>	Local Exhaust Ventilation: Good general ventilation should be sufficient to control airborne levels of vapor released by uncured material. Special Ventilation: None Required Mechanical Ventilation: Good general ventilation recommended Other Ventilation: None required
<i>Limits</i>	TWA: Not determined PEL: Not determined
<i>Respiratory Protection</i>	Avoid prolonged or excessive breathing of vapor of uncured material
<i>Hands protection</i>	Rubber gloves recommended when contacting uncured materials
<i>Eye & Skin protection</i>	Safety glasses with side shields and use of gloves is recommended
Hygienic practices	Normal safe practices

SECTION 9: Physical and Chemical Properties

<i>Boiling Point</i>	N/A	<i>Vapor Pressure (mm Hg)</i>	N/E
Vapor Density (Air = 1)	N/E	Melting point	N/A
Specific Gravity	> 1	pH	N/A
Solubility in water	nil	Appearance & Odor	Light yellow liquid with specific odor

SECTION 10: Stability and Reactivity

Stability:	Stable if stored and handled as instructed.
Conditions to avoid	Heat, UV - light
Incompatibility:	Free radicals, reducing agents, heavy metal ions
Hazardous Polymerization:	May occur
Hazardous Decomposition:	Carbon dioxide, carbon monoxide acrylic decomposition products, depending on conditions of heating and burning.

SECTION 11: Toxicological Information

Acute oral toxicity:	LD50 (rat) > 500 mg/kg
Irritation of Skin:	Dryness and Irritation possible upon prolonged exposure.
Allergic Effects:	Methacrylate sensitive individuals may exhibit an allergic reaction.

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SECTION 12: Ecological Information

Do not discharge into sewers or water supplies.

Environmental persistence and degradability: No data available.

Ecotoxicity: No data available.

SECTION 13: Disposable considerations

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

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	MFAG	
	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: Not Regulated

U.S. DOT Hazard Class: None U.N/ N.A.

Number: None

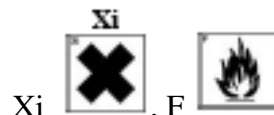
U.S. Dot Packing Group: None

Other: Not considered hazardous cargo.

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.

- 15.1 UN Number
- 15.2 National regulations
- 15.3 EU number
- 15.4 Hazard symbols



- 15.5 Hazard designation Xi: Irritant. F: Highly Flammable. Contains Ethyl Alcohol.

- 15.6 Risk phrases

R: 11, 36, 37/38, 43
11 Highly flammable.
36 Irritating to eyes.
37/38 Irritating to respiratory system and skin.
43 May cause sensitization by skin contact.

- 15.7 Safety phrases

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 advise.
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 not hazardous under the criteria of 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 phrases

- 11 Highly flammable.
- 22 Harmful if swallowed.
- 36 Irritating to eyes.
- 37/38 Irritating to respiratory system and skin.
- 43 May cause sensitisation by skin contact.
- Xn Harmful.