	
Technical File	DMR4-TF4-PackagSDS
Safety Data Sheet	Rev.8
Title: TF4 Packaging- SDS- Adhesive Bonding , Surface treatment materials	Page: 2 of 6
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Trade Names: ProLink, ProLink CEM, ProLink M, ProLink Block, ProLink Universal, ProLink SE, ProLink Ethanol, ProVeneer Bond, ProEtch

SECTION 1: Identification

1.1 Product Identifier: Dental Adhesives

1.2 Relevant identified uses of the substances or mixture

Product Use:

Indications: Intended for the use as a dental restorative material.

Limitations on Use: For use only by dental professionals

1.3 Details of the supplier of the safety data sheet

Manufacturer: Silmet Ltd

Address: 12 Hassadna St. Industrial Park. Or Yehuda 6022011. Israel

Telephone: + 972 3 7353000 (Use for emergency also)

Fax: +972 3 5331581 **e-mail:** info@silmet.co.il

SECTION 2: Hazards Identification

The information below is provided with regard to the toxicity and hazards of the pure components present in this product.

2.1. Classification of the substance or mixture

Hazard-determining components of labeling

Contains Ethyl Alcohol, HEMA, 4-Methacryloxyethyltrimellitic anhydride, Acetone

2.2 Label elements

The product is classified in accordance with 67/548/EEC.

2.3 Other Hazards

Other Hazards: No Significant Hazard

Further information


Labeling according to EU guidelines:

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

Classification according to Regulation (EC) No 1272/2008: void

Information concerning particular hazards for human and environment:

The product does not have to be labeled due to calculation procedure for the "General Classification guideline for preparations of the EU" in the latest version.

	
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Label elements

Hazard pictograms



Signal word

Warning

Hazard statements

H226 - Flammable liquid and vapour.

Precautionary statements

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Disposal

P501 - Dispose of contents In accordance with local/regional & international regulations

Storage

P403 - Store in a well-ventilated place. Keep container tightly closed.

Other

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 3: Ingredients

Ingredients	CAS#
Acetone	67-64-1
Urethandimethacrylate	72869-86-4
Triethyleneglycoldimethacrylate	109-16-0
2-Hydroxyethylmethacrylate	868-77-9
Multifunctional dimethacrylates	24448-20-2
Bisphenol diglycidylmethacrylate	1565-94-2
4-methacryloxyethyltrimellitic anhydrid	70293-55-9
Fumed Silica	7631-86-9
Photoinitiators	10287-53-3
	10334-26-6
Ethanol	64-17-5

	
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SECTION 4: First Aid Measures

4.1 First Aid Procedures

If irritation occurs, take victim to open air.

In case of skin contact: wash with soap and water.

In case of eye contact: Flush with large quantities of water for 15 minutes.

Consult a physician.

In case of ingestion: Consult a physician.

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 sewers 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: No special measures necessary if handled according to instructions.

Storage: Keep container tightly closed when not in use. Store in a cool, dry location. Keep material in original packaging.

SECTION 8: Exposure controls/Personal Protection

Exposure Controls: Use only in well ventilated areas.

Hand and Skin Protection: Avoid unnecessary skin contact. Wear latex gloves when handling.

Hygiene Measures: Remove spilled material from skin and clothing. Do not eat or drink when handling this material.

SECTION 9: Physical and Chemical Properties

Appearance: Light yellow liquid.

Odour: Specific odour.

Boiling Point: N/A


Flash Point: N/E

(Ethanol Solution) $\geq 23^{\circ}\text{C} - \leq 60$

Solubility in Water: Insoluble

Vapor Density (Air = 1): N/E

Vapor Pressure (mm Hg): N/E

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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.

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 No.	---
	Packing Group	III		
14.2 Transport at sea	Proper shipping name	Ethanol Solution		
	ADNR	3	IMDG	3
	UN Number	1170		
	EMS	F-E, S-D	MFAG	
	Packing Group	III		
14.3 Air transport	Proper shipping name	Ethanol Solution, Acetone		
	ICAO / IATA-DGR	---		
	UN Number	1170		
	Proper shipping name	Ethanol Solution, Acetone		
	Subsidiary Risk	---		
	Labels	Ethanol Solution,		

