

SILMET Ltd.  
12 Hassadna St.  
Industrial Park  
Or Yehuda 60200, Israel  
Fax. 972 -3- 5331581  
E-mail: sales@silmet.co.il



ISO 9001  
ISO 13485

## Material Safety Data Sheet

In accordance with communitary directive 2001/58/EC

### SECTION 1: Identification of Product and Company

Product name: ProSilver, ProCopper, Nogama, Spherodon M,  
Spherodon +, Dentacore  
Manufacturer's name: Silmet Ltd.  
Address: 12 Hassadna St. Industrial Park  
City/Country: Or-Yehuda Israel 60200  
Emergency Telephone: 972 – 3 - 5331474  
Issue Date: 03/09/2008

#### Product Use:

Limitations on Use: For use only by dental professionals  
Specific Use: Dental Amalgam

### SECTION 2: Composition/Information on Ingredients

Silver 40-72%  
Copper 5-25%  
Tin 25-32%  
Zinc 0-1%  
Powder to Mercury ratio : app. one to one

### SECTION 3: Hazards Identification

Exposure to mercury may cause irritation to skin, eyes, respiratory tract and mucous membrane. In individual cases, hypersensitivity reactions, allergies, or electrochemically caused local reactions have been observed. Due to electrochemical processes, the *lichen planus* of the mucosa may develop.

Mercury may also be a skin sensitizer, pulmonary sensitizer, nephrotoxin and neurotoxin. After placement or removal of amalgam restorations, there is a temporary increase of the mercury *concentration* in the blood and urine.

Mercury expressed during condensation *and* unset amalgam may cause amalgamation or galvanic effect if in contact with other metal restorations. If symptoms persist, the amalgam should be replaced by a different material.

Removal of clinically acceptable amalgam restorations should be avoided to minimize mercury exposure, especially in expectant mothers.

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## SECTION 4: First Aid Measures

If skin or eyes are contacted, wash off well with water immediately.

## SECTION 5: Fire Fighting Measures

Extinguishing media

## SECTION 6: Accidental Release Measures

Personal precautions: Avoid contact with skin.

Disposal: Dispose of according to local or state regulations.

Others: In case the material is released or spilled, clean up with inert absorbent material and dispose of in an approved manner.

## SECTION 7: Handling and Storage

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

## SECTION 8: exposure controls/Personal Protection

<b>Precautionary Measures</b>	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
<b>Limits</b>	TWA: Not determined PEL: Not determined
<b>Respiratory Protection</b>	Avoid prolonged or excessive breathing of vapor of uncured material
<b>Hands protection</b>	Rubber gloves recommended when contacting uncured materials
<b>Eye &amp; Skin protection</b>	Safety glasses with side shields and use of gloves is recommended
<b>Hygienic practices</b>	Normal safe practices

## SECTION 9: Physical and Chemical Properties

<b>Boiling Point</b>	N/A	<b>Evaporation rate</b>	N/A
<b>Vapor pressure</b>	N/A	<b>Melting point</b>	N/A
<b>Specific Gravity</b>	> 1	<b>pH</b>	N/A
<b>Solubility in water</b>	nil	<b>Appearance &amp; Odor</b>	Slightly acrylic odor

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**SECTION 10: Stability and Reactivity**

**Stability:** Stable if stored as instructed.  
**Conditions to avoid** Heat, light, aging and contamination  
**Incompatibility:** Peroxide and Amines, reducing and oxidizing agents  
**Hazardous Polymerization:** Will not occur  
**Hazardous Decomposition:** None known

**SECTION 11: Toxicological Information**

Carcinogenicity/Teratogenicity: No  
Effects and Hazards of Overexposure (Acute and Chronic)

Effects and hazards of eye contact: May cause irritation and damage if not removed promptly  
 Effects and hazards of skin contact: Prolonged or repeated exposure to uncured material may cause irritation or skin rash especially in sensitive individuals  
 Effects and hazards of Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation  
 Effects and hazards of Ingestion: Uncured material may be harmful or fatal if swallowed  
 Effects for prolonged exposure: Not applicable

**SECTION 12: Ecological Information**

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

**SECTION 13: Disposable considerations**

Unpolymerized (uncured) material may be hazardous waste. Incinerate uncured material and dispose in accordance with local regulations.

**SECTION 14: Transport Information**

**Sea Transportation**

IMCO Number: Not applicable  
 UN Number: Not applicable  
 Substance(s) determining hazard: None

**Air Transportation**

ICAO/IATA Class: Not applicable  
 Substance(s) determining hazard: None

**Transportation by Road/Railway**

RID/ADR Class	N/A	Item Number	N/A	Hazard Identification Number	N/A	Substance Identification Number	N/A	Hazard Label	N/A
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## SECTION 15: Regulatory Information

### Classification in accordance with EC Directives

Hazard Identification Symbol	Xn
R Sentences	
22	Harmful if swallowed
36/37/38	Irritating to eyes, respiratory system and skin
S Sentences	
36	Wear suitable protective clothing
Ingredients determining the label	Uncured Methacrylate Ester Monomers

## SECTION 16: Other Information

None

### CAUTION: PRODUCT FOR PROFESSIONAL USE

The information on this safety sheet is based on presently available data and to our best knowledge for the correct handling of the product under normal conditions. Any use of this product in any way not indicated on this sheet or use of this product together with any other process/procedure will be exclusively under the user's responsibility.