Section 1: Identification

1.1 Product Identifier: Silmet Glass Ionomer Cement – liquid component

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 portion of the unmixed powder/liquid system.

2.1 Classification of the substance or mixture
Main Hazards: No Significant Hazard

2.2 Label elements
The product is classified in accordance with 67/548/EEC.
Risk Phrases: No Significant Hazard

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.

Section 3: Composition/Information on ingredients
**Substance/Mixture:** Mixture  
Other means of identification: Not available

**CAS number/other identifiers**

<table>
<thead>
<tr>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Acid Polymer 9003-01-4</td>
</tr>
</tbody>
</table>

**Other Ingredients**

Water  
Hazardous components: None

## SECTION 4: First Aid Measures

4.1. Description of first aid measures  
**Inhalation:** Move the exposed person to fresh air.  
**Eye contact:** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  
**Skin contact:** Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.  
**Ingestion:** DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed  
**Inhalation:** May cause irritation to mucous membranes.  
**Eye contact:** May cause irritation to eyes.  
**Skin contact:** May cause irritation to skin.  
**Ingestion:** May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed  
If you feel unwell, seek medical advice

## SECTION 5: Fire Fighting Measures

5.1. Extinguishing media  
Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture  
Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters  
Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures  
Ensure adequate ventilation of the working area.

6.2. Environmental precautions  
Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up  
Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.
6.4. Reference to other sections: SECTION 13: Disposal considerations.
Storage, handling and special precautions: Store in a cool dry place in tightly closed container.

SECTION 7: Handling and Storage

7.1 Handling: This product should only be supplied or handled to dentists or dental technicians or upon their Instructions.

7.2. Precautions for safe handling
Observe normal care for working with chemicals
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.3. Conditions for safe storage, including any incompatibilities
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

SECTION 8: Exposure Controls/Personal Protection

Components with limits of values to be supervised at the workplace:
The product contains no relevant quantities of components with limit values to be supervised at the workplace.

8.1 Engineering controls
Use in a well-ventilated area.

8.2 Personal Protective Equipment (PPE)

Eye/Face Protection
Avoid eye contact.
The following eye protection(s) are recommended: Safety Glasses with side shields.

Skin protection – Hand protection
Chemical resistant gloves.

Prevention of Swallowing
Do not ingest. Wash hands after handling and before eating

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance: Viscous liquid.
Colour: Clear/Colourless
Odour: Slight/Odourless
pH: 3
Solubility: Soluble in water

9.2. Other information
Safety Data Sheet
Silmet GICs – ProGlass One, ProGlass Two, ProGlass Nine, ProGlass Silver
(according to 1907/2006/EC, Article 31)
Date of revision: 07.02.16 Rev. 4

None.

SECTION 10: Stability and Reactivity
10.2. Chemical stability: Stable under normal conditions.
10.3. Possibility of hazardous reactions: No data available.
10.4. Conditions to avoid: Heat.
10.6. Hazardous decomposition products: Carbon dioxide (CO₂).

SECTION 11: Toxicological Information
No data available

SECTION 12: Ecological Information
12.1. Toxicity
No data available
12.2. Persistence and degradability
No data is available on this product.
12.3. Bioaccumulative potential
No data is available on this product.
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
None.
12.6. Other adverse effects
No data is available on this product.

SECTION 13: Disposal Considerations
13.1. Waste treatment methods
Dispose of in compliance with all local and national regulations.

Disposal methods
For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Disposal of packaging
Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
Recommendation: Consult applicable regulations or authorities before disposal.

SECTION 14: Transport Information
Land transport ADR/RID
Not classified as dangerous goods in the meaning of transport regulations

Sea transport IMDG
Not classified as dangerous goods in the meaning of transport regulations

Air transport ICAO-TI and IATA-DGR
Not classified as dangerous goods in the meaning of transport regulations

Special precautions for user: Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
The product is not classified as dangerous for carriage.
### SECTION 15: Regulatory Information

This product is classified as a medical device under US and EU regulations. The product has been marked in accordance with EU Directives and has been reviewed by the US Food and Drug Administration.

**US FEDERAL REGULATIONS**

311/312 Hazard Categories:
- Fire Hazard
- No Pressure Hazard
- No Reactivity Hazard
- No Immediate Hazard
- Yes Delayed Hazard

**CHEMICAL INVENTORIES**

Commercial use of this material is regulated by the FDA.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 16: Other Information

**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.
Glass Ionomer Cement – Powder

SECTION 1: Identification

1.1 Product Identifier: Silmet Glass Ionomer Cement – Powder component

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 Hassadena 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 portion of the unmixed powder/liquid system.

2.1 Classification of the substance or mixture
Main Hazards: No Significant Hazard

2.2 Label elements
Risk Phrases: No Significant Hazard

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.

SECTION 3: Composition/Information on ingredients

Substance/Mixture: Mixture
Other means of identification: Not available

CAS number/other identifiers

CAS #
Acrylic Acid Polymer  9003-01-4  
Glass Powder  65997-18-4  

Other Ingredients 
ProGlass Silver also contains silver  

Hazardous components: None  

SECTION 4: First Aid Measures  
4.1. Description of first aid measures  
Inhalation: Move the exposed person to fresh air.  
Eye contact: Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.  
Skin contact: Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.  
Ingestion: DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.  

4.2. Most important symptoms and effects, both acute and delayed  
Inhalation: May cause irritation to mucous membranes.  
Eye contact: May cause irritation to eyes.  
Skin contact: May cause irritation to skin.  
Ingestion: May cause irritation to mucous membranes.  

4.3. Indication of any immediate medical attention and special treatment needed  
No data is available on this product.  

SECTION 5: Fire Fighting Measures  
5.1. Extinguishing media  
Use extinguishing media appropriate to the surrounding fire conditions.  

5.2. Special hazards arising from the substance or mixture  
Burning produces irritating, toxic and obnoxious fumes.  

5.3. Advice for firefighters  
Wear suitable respiratory equipment when necessary.  

SECTION 6: Accidental Release Measures  
6.1. Personal precautions, protective equipment and emergency procedures  
Ensure adequate ventilation of the working area.  

6.2. Environmental precautions: Do not allow product to enter drains. Prevent further spillage if safe.  

6.3. Methods and material for containment and cleaning up: Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.  

6.4. Reference to other sections: SECTION 13: Disposal considerations  
Storage, handling and special precautions: Store in a cool dry place in tightly closed container.  

SECTION 7: Handling and Storage  
Handling: This product should only be supplied or handled to dentists or dental technicians or upon their Instructions.  

7.1. Precautions for safe handling  

Page 7 of 10
Observe normal care for working with chemicals
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

7.3. Specific end use(s): None.

SECTION 8: Exposure Controls/Personal Protection

Components with limits of values to be supervised at the workplace:
The product contains no relevant quantities of components with limit values to be supervised at the workplace.

8.1 Engineering controls
Use in a well-ventilated area.

8.2 Personal Protective Equipment (PPE)
Individual Protection Measures: Wear protective clothing.
Eye/Face Protection: Avoid eye contact.
The following eye protection(s) are recommended: Safety Glasses with side shields.
Sink/Hand Protection: Chemical resistant gloves.
Prevention of Swallowing: Do not ingest. Wash hands after handling and before eating
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
Appearance: Powder
Color: White
Odor: Odorless

9.2. Other information
No data available.

10: Stability and Reactivity

10.2. Chemical stability: Stable under normal conditions.
10.3. Possibility of hazardous reactions: No data available.
10.4. Conditions to avoid: Heat, open flames, sparks
10.5. Incompatible materials: oxidizing agents
10.6. Hazardous decomposition products
No data is available on this product.

SECTION 11: Toxicological Information

Acute toxicity:
Primary irritation:
  skin: may cause skin irritation (aerosols)
  eye: irritating effect (aerosols)
Sensitization: no sensitizing effect known
Additional toxicological information:
When used and handled according to specifications, the product does not have any harmful
effects to our experience and the information provided to us.

**SECTION 12: Ecological Information**

Toxicity:
  Aquatic toxicity: No further relevant information available
Persistence and degradability: No further relevant information available
Behavior in environmental systems:
  Bioaccumulative potential No further relevant information available
  Mobility in soil No further relevant information available
General information: Do not allow undiluted product or large quantities of it into surface water
or sanitary sewer system

**SECTION 13: Disposal Considerations**

13.1. Waste treatment methods
Dispose of in compliance with all local and national regulations.

**Disposal methods**
For disposal within the EC, the appropriate code according to the European Waste Catalogue
(EWC) should be used.
Recommendation:
Use proper landfill disposal or incineration in accordance with local, state and federal
regulations

**Disposal of packaging**
Do NOT reuse empty containers.
Recommendation: Consult applicable regulations or authorities before disposal. Disposal must be made according to official
regulations

**SECTION 14: Transport Information**

**Land transport ADR/RID**
Not classified as dangerous goods in the meaning of transport regulations

**Sea transport IMDG**
Not classified as dangerous goods in the meaning of transport regulations

**Air transport ICAO-TI and IATA-DGR**
Not classified as dangerous goods in the meaning of transport regulations

Special precautions for user: Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
The product is not classified as dangerous for carriage.

**SECTION 15: Regulatory Information**

This product is classified as a medical device under US and EU regulations. The product has been marked in accordance with
EU Directives and has been reviewed by the US Food and Drug Administration.

US FEDERAL REGULATIONS
311/312 Hazard Categories:
Safety Data Sheet
Silmet GICs – ProGlass One, ProGlass Two, ProGlass Nine, ProGlass Silver
(according to 1907/2006/EC, Article 31)
**Date of revision:** 07.02.16  **Rev. 4**

| Fire Hazard | No Pressure Hazard | No Reactivity Hazard | No Immediate Hazard | Yes Delayed Hazard | No |

**CHEMICAL INVENTORIES**
Commercial use of this material is regulated by the FDA

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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