

**Safety Data Sheet**  
**Silmet GICs – ProGlass Two LC**  
**(according to 1907/2006/EC, Article 31)**  
**Date of revision: 07.02.16      Rev. 4**

## Glass Ionomer Cement - Liquid

### SECTION 1: Identification

**1.1 Product Identifier:** Silmet Glass Ionomer Cement – liquid component

**Trade Names:** ProGlass Two LC

#### 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](mailto: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.

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

Skin Irrit. 2, H315 Causes skin irritation

Eye Irrit. 2, H319 Causes serious eye irritation

#### Label elements

**Labeling according to Regulation (EC) 1272/2008:**

**Hazard pictograms**



**Signal word**

Warning

**Hazard statements**

H315 Causes skin irritation

H319 Causes serious eye irritation

**Precautionary statements**

**Prevention**

P264 - Wash thoroughly after handling.

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

**Response**

P302+P352 - IF ON SKIN: Wash with plenty of water/ .

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see on this label).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

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Other Hazards: No data available

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

**Other Ingredients:** Water, DL-Camphorquinone (ProGlass Two LC)

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.

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<p><b>SECTION 7: Handling and Storage</b></p> <p>7.1 Handling: This product should only be supplied or handled to dentists or dental technicians or upon their Instructions.</p> <p>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.</p> <p>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.</p>
<p><b>SECTION 8: Exposure Controls/Personal Protection</b></p> <p>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.</p> <p>8.1 Engineering controls: Use in a well-ventilated area.</p> <p>8.2 Personal Protective Equipment (PPE)</p> <p>Eye/Face Protection: Avoid eye contact. The following eye protection(s) are recommended: Safety Glasses with side shields.</p> <p>Skin protection – Hand protection: Chemical resistant gloves.</p> <p>Prevention of Swallowing: Do not ingest. Wash hands after handling and before eating</p> <p>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.</p>
<p><b>SECTION 9: Physical and Chemical Properties</b></p> <p>9.1. Information on basic physical and chemical properties</p> <p>Appearance: Viscous liquid.          Colour: Clear/Colourless          Odour: Slight/Odourless          pH: 3          Solubility: Soluble in water</p> <p>9.2. Other information          None.</p>
<p><b>SECTION 10: Stability and Reactivity</b></p> <p>10.1. Reactivity: Stable.          10.2. Chemical stability: Stable under normal conditions.          10.3. Possibility of hazardous reactions: No data available.          10.4. Conditions to avoid: Heat.          10.5. Incompatible materials: Strong acids. Strong bases.          10.6. Hazardous decomposition products: Carbon dioxide (CO<sub>2</sub>).</p>
<p><b>SECTION 11: Toxicological Information</b></p> <p>No data available</p>
<p><b>SECTION 12: Ecological Information</b></p> <p>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.</p>

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12.6. Other adverse effects: No data is available on this product.
<b>SECTION 13: Disposal Considerations</b>
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.
<b>SECTION 14: Transport Information</b>
<b>Land transport ADR/RID</b> Not classified as dangerous goods in the meaning of transport regulations <b>Sea transport IMDG</b> Not classified as dangerous goods in the meaning of transport regulations <b>Air transport ICAO-TI and IATA-DGR</b> 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.
<b>SECTION 15: Regulatory Information</b>
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. <b>US FEDERAL REGULATIONS</b> <b>311/312 Hazard Categories:</b> Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No  <b>CHEMICAL INVENTORIES</b> Commercial use of this material is regulated by the FDA <b>This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.</b>
<b>SECTION 16: Other Information</b>
<b>CAUTION: PRODUCT FOR PROFESSIONAL USE</b> 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.

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## Glass Ionomer Cement –Powder

### SECTION 1: Identification

**1.1 Product Identifier:** Silmet Glass Ionomer Cement – Powder component  
**1.2 Trade Names:** ProGlass One, ProGlass Two, ProGlass Nine, ProGlass Silver

#### 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

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: 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.

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<b>SECTION 9: Physical and Chemical Properties</b>
9.1. Information on basic physical and chemical properties Appearance: Powder Color: White Odor: Odorless
9.2. Other information: No data available.
<b>SECTION 10: Stability and Reactivity</b>
10.1. Reactivity : Stable. 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.
<b>SECTION 11: Toxicological Information</b>
<b>Acute toxicity:</b> 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.
<b>SECTION 12: Ecological Information</b>
<b>Toxicity:</b> 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 <b>General information:</b> Do not allow undiluted product or large quantities of it into surface water or sanitary sewer system
<b>SECTION 13: Disposal Considerations</b>
13.1. Waste treatment methods: Dispose of in compliance with all local and national regulations.  <b>Disposal methods</b> 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  <b>Disposal of packaging</b> Do NOT reuse empty containers. Recommendation: Consult applicable regulations or authorities before disposal. Disposal must be made according to official regulations
<b>SECTION 14: Transport Information</b>
<b>Land transport ADR/RID</b> Not classified as dangerous goods in the meaning of transport regulations <b>Sea transport IMDG</b> Not classified as dangerous goods in the meaning of transport regulations <b>Air transport ICAO-TI and IATA-DGR</b> Not classified as dangerous goods in the meaning of transport regulations

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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 - 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.**

**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.