

SAFETY DATA SHEETS

This SDS packet was issued with item:

076344626

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

076344600 076344634 079709850

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier*1.1 Product Name:***GLASIONOMER CX-PLUS "LIQUID "***1.2 Company /Undertaking identification*Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983 ,JAPAN

Phone: +81-75-561-1112

Fax: +81-75-561-2273

Section in Charge: Quality Assurance Section

Date Prepared: 2014.9.25

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazards identification

GHS CLASSIFICATION

It is not possible to classify it.

LABEL ELEMENTS

SYMBOL —
 SIGNAL WORD —
 HAZARD STATEMENTS —

PRECAUTIONARY STATEMENTS

[Prevention]

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/mist.

[Response]

If you feel un-well, get medical advice/attention.

[Storage]

Store in a cool and dark area.

[Disposal]

Dispose of contents and container in accordance with regulation.

3. Composition/information on ingredients

<i>Composition</i>		<i>Hazzard type</i>
Water	40~50 %	
Acrylic Acid Polymer [Cas No.9003-01-4]	40~50 %	
L(+)-Tartaric Acid [Cas No.87-69-4]	1~10 %	Xi

4. First-aid measures

- 4.1 Eye contact* : May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes 'holding the eyelids open. Seek medical attention if irritation or symptoms persist.
- 4.2 Skin contact* : May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
- 4.3 Ingestion* : May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek

SAFETY DATA SHEET

medical attention if irritation or symptoms persist.

4.4 Inhalation : May cause irritation to mucous membranes. Move the exposed person to fresh air.

5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:** Use extinguishing media appropriate to the surrounding fire conditions.
- 5.2 Extinguishing Media Should not be used :**
N/A
- 5.3 Special Exposure Hazards Arising:** Burning produces irritating, toxic and obnoxious fumes.
- 5.4 Special Protective Equipment:** Wear suitable respiratory equipment when necessary.

6.Accidental release measures

- 6.1 Personal Precautions:** 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 for Cleaning Up:** Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7.Handling and storage

- 7.1 Handling:** 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 Storage:** Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8.Exposure controls/personal protection

- 8.1 Exposure limits:** ACGIH TLV.
None assigned.
- 8.2 Respiratory Protection:** Ensure adequate ventilation of the working area.
- 8.3 Hand Protection:** Chemical resistant gloves (PVC).
- 8.4 Eye Protection:** In case of splashing, wear: Approved safety goggles.
- 8.5 Skin Protection:** Wear protective clothing.

9.Physical and chemical properties

- 9.1 Appearance/Odour/pH** Colorless viscous liquid with perceptible odor.
- 9.2 Boiling Point/Boiling Range:** $\cong 100^{\circ}\text{C}$
- 9.3 Melting Point/Melting Range:** N/D
- 9.4 Flash point:** N/D
- 9.5 Auto flammability:** N/D
- 9.6 Explosive Properties:** N/D
- 9.7 Oxidizing Properties:** N/D
- 9.8 Vapour Pressure:** N/D
- 9.9 Relative Density:** $\cong 1.25$
- 9.10 Solubility: water solubility** Soluble
- 9.11 pH:** 3

SAFETY DATA SHEET

10. Stability and reactivity

<i>10.1 Stability:</i>	Stable under normal conditions.
<i>10.2 Reactivity:</i>	N/A
<i>10.3 Condition to avoid:</i>	Avoid direct sunlight and high temperature.
<i>10.4 Materials to avoid:</i>	N/A

11. Toxicological information

May cause irritation to skin and eyes.

12. Ecological information

No data is available on this product.

13. Disposal considerations

Dispose of in compliance with all local and national regulations.

14. Transport information

The product is not classified as dangerous for carriage.

15. Regulatory information

No Significant Hazard.

16. Other information

This product is intended for use by dental professionals. (instrument/material)



SAFETY DATA SHEET

page 1/5
Glaslonomer Cement CX-Plus
LIQUID
Printing date: August 26, 2019

SECTION 1. Identification of the substance or mixture and of the supplier

1.1 Product identifier

Trade Name:

Glaslonomer Cement CX-Plus "LIQUID"

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Dental material

Uses advised against: No further data

1.3 Details of the supplier of the safety data sheet

Company/Undertaking identification

Manufacturer's Name: **SHOFU DENTAL CORPORATION**

Address: 1225 Stone Drive, San Marcos, CA 92078 USA

Toll Free: 1-800-827-4638

Phone: 760-736-3277

Fax: 760-736-3276

E-Mail: customer-service@shofu.com

Section in Charge: Quality Management & Regulatory Affairs

1.4 Emergency Telephone Number

For emergencies only. Call CHEMTREC: +1 703-741-5970 / 1-800-424-9300 (24 hours)

SECTION 2. Hazards identification

2.1 GHS Classification

It is not possible to classify it.

2.2 Label elements

SYMBOL Void

SIGNAL WORD Void

HAZARD STATEMENTS Void

PRECAUTIONARY STATEMENTS

[Prevention]

Obtain special instruction before use.

Do not handle until all safety precautions have been read and understood.

[Response]

Get medical advice/attention if you feel unwell.

[Storage]

Store in a cool and dark area.

[Disposal]

Dispose of contents and container in accordance with regulation.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Version Number 6
Revision date: August 8, 2019



SAFETY DATA SHEET

page 2/5
Glaslonomer Cement CX-Plus
LIQUID
Printing date: August 26, 2019

SECTION 3. Composition/information on ingredients

- 3.1 Chemical characterization: Mixtures
- 3.2 Description: -
- 3.3 Dangerous components: Void
 - Copolymer of acrylic acid and tricarboxylic acid (Water solution) 80-90 %
 - Tartaric acid [Cas No.87-69-4] 1-10 %
 - Others
- 3.4 Additional information: For the wording of the listed risk phrases refer to section 2

SECTION 4. First-aid measures

- 4.1 Description of first aid measures
 - Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present. and easy to do. If eye irritation persists, get medical advice/attention.
 - Skin contact: Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.
 - Ingestion: Rinse mouth and seek medical advice if necessary.
 - Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptom concerning breath goes out, call a POISON CENTER or doctor.
- 4.2 Most important symptoms and effects, both acute and delayed
 - No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
 - No further relevant information available.

SECTION 5. Fire-fighting measures

- 5.1 Extinguishing Media:
 - Foam, CO₂, Powder, Dry sand
- 5.2 Special hazards arising from the substance or mixture:
 - In case of fire, irritation gases and fumes may emit.
- 5.3 Advice for firefighters:
 - Wear fire protective cloth and self-contained breathing apparatus, if necessary.

SECTION 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:
 - Avoid contact with eyes and skin.
- 6.2 Environmental Precautions:
 - Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
- 6.3 Methods and material for containment and cleaning Up:
 - Wipe up and discard in a suitable container.
- 6.4 Reference to other section:
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

Version Number 6
Revision date: August 8, 2019



SAFETY DATA SHEET

page 3/5
Glaslonomer Cement CX-Plus
LIQUID
Printing date: August 26, 2019

SECTION 7. Handling and storage

- 7.1 Precautions for safe handling:
Avoid inhaling and contact with eyes and skin.
- 7.2 Conditions for safe storage, including any incompatibilities:
Store in a cool and dry place out of direct sunlight and source of ignition.
Keep containers closed.
- 7.3 Specific end use(s):
No further relevant information available.

SECTION 8. Exposure controls/personal protection

- 8.1 Control parameters:
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 8.2 Exposure controls:
Respiratory Protection: Dust mask
- Skin Protection: Hand Protection
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:
Butyl rubber, BR
Nitrile rubber, NBR
- Eye Protection: Safety goggles

SECTION 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- | | |
|------------------------------|------------------------------|
| Appearance/Odor/Colour: | Odourless, color less liquid |
| Odour threshold | Not determined. |
| pH | 3 |
| Melting point/freezing point | Not determined. |

Version Number 6
Revision date: August 8, 2019



SAFETY DATA SHEET

page 4/5
Glaslonomer Cement CX-Plus
LIQUID
Printing date: August 26, 2019

Boiling Point:	≈ 100 °C
Flash point:	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative Density:	≈1.25 (water=1)
Solubility: water solubility	Soluble.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not determined.
Decomposition temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

9.2 Other information

No further relevant information available.

SECTION 10. Stability and reactivity

10.1 Reactivity:

No further relevant information available.

10.2 Chemical stability:

Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Condition to Avoid:

Avoid direct sunlight and high temperature.

10.5 Incompatible materials:

No further relevant information available.

10.6 Hazardous Decomposition Products:

None under normal conditions of storage and use.

SECTION 11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:	Based on available data, the classification criteria are not met.
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Eye damage/irritation:	Based on available data, the classification criteria are not met.
Sensitization to the respiratory tract:	Based on available data, the classification criteria are not met.
Skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity/Genotoxicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Effects on or via lactation:	Lack of data.

Version Number 6
Revision date: August 8, 2019



SAFETY DATA SHEET

page 5/5
Glaslonomer Cement CX-Plus
LIQUID
Printing date: August 26, 2019

Specific target organ toxicity (single exposure):
Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):
Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

SECTION 12. Ecological information

- 12.1 Toxicity:
No further relevant information available.
- 12.2 Persistence and degradability:
No further relevant information available.
- 12.3 Bioaccumulative potential:
No further relevant information available.
- 12.4 Mobility in soil:
No further relevant information available.
- 12.5 Results of PBT and vPvB assessment:
Not applicable.
- 12.6 Other adverse effects:
No further relevant information available.

SECTION 13. Disposal considerations

- 13.1 Waste treatment methods:
Dispose of contents/container to in accordance with local/regional/national/international regulations.

SECTION 14. Transport information

- 14.1 UN number: Void
- 14.2 UN proper shipping name: Void
- 14.3 Transport hazard class(es): Void
- 14.4 Packing group: Void
- 14.5 Environmental hazards: No
- 14.6 Special precautions for user: Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not applicable.

SECTION 15. Regulatory informati

Follow all regulations in your country.

SECTION 16. Other information

This product is intended for use by dental professionals. (instrument/material)

Abbreviations and acronyms:

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Version Number 6
Revision date: August 8, 2019