

MATERIAL SAFETY DATA SHEET

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

1.1 Product Name:

Glaslonomer Cement Type II "LIQUID"

1.2 Company / Undertaking identification

Manufacturer's Name: **SHOFU INC.**

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

Phone: +81-75-561-1112

Fax: +81-75-561-2273

Section in Charge: Quality Assurance Section

Date Prepared 2011.11.10

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazards identification

GHS CLASSIFICATION

PHYSICAL HAZARDS

FLAMMABLE LIQUIDS

Not Classified

The thing without mention is out of a classification object. Or cannot 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.

Wear protective gloves and eye/face protection.

Do not breathe dust/fume/gas/mist/vapours/spray.

Keep container tightly closed.

Wash hands thoroughly after handling.

[Response]

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

If on skin, wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.

If in eyes, rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

If eye irritation persists, 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

Composition

Copolymer of acrylic acid and tricarboxylic acid (Water solution)

Tartaric acid [Cas No.87-69-4]

Others

Content

> 90%

< 10%

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Hazardous ingredients are not include.

4. First-aid measures

- 4.1 *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.
- 4.2 *Skin contact* : Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention.
- 4.3 *Ingestion* : Rinse mouth. Get medical advice/attention.
- 4.4 *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 to doctor.

5. Fire-fighting measures

- 5.1 *Suitable Extinguishing Media*: Powder, Alcohol-resistant foam, Carbon dioxide.
- 5.2 *Extinguishing Media Should not be used*: N/A
- 5.3 *Special Exposure Hazards Arising*: N/A
- 5.4 *Special Protective Equipment*: N/A

6. Accidental release measures

- 6.1 *Personal Precautions*: See section 8. 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 for Cleaning Up*: Wipe up and discard in a suitable container.

7. Handling and storage

- 7.1 *Handling*: Ventilation. Local exhaust. Avoid inhaling and contact with eyes and skin. Keep away from ignition sources and separate from strong oxidizer.
- 7.2 *Storage*: Store in a cool and dry place out of direct sunlight and source of ignition. Separated from organic peroxide. Keep containers closed.

8. Exposure controls/personal protection

- 8.1 *Exposure limits*: ACGIH TLV.
None assigned.
- 8.2 *Respiratory Protection*: Local exhaust
- 8.3 *Hand Protection*: Latex or rubber gloves.
- 8.4 *Eye Protection*: Safety goggles or eye protection.
- 8.5 *Skin Protection*: Not required. General protective overalls.

9. Physical and chemical properties

- 9.1 *Appearance/Odour/pH*: Odourless, color less liquid
- 9.2 *Boiling Point/Boiling Range*: $\approx 100^{\circ}\text{C}$
- 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*: 1.27
- 9.10 *Solubility: water solubility*: Soluble

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10. Stability and reactivity

<i>10.1 Stability:</i>	Stable under recommended storage 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

No information

12. Ecological information

The product should not be allowed to drain into sewers.

13. Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations.

14. Transport information

Airline restriction information ; It doesn't correspond
UN No. ; It doesn't correspond
Sea restriction information ; It doesn't correspond
UN No. ; It doesn't correspond

15. Regulatory information

Follow all regulations in your country.

16. Other information

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