

SAFETY DATA SHEET

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

1.1 Product Name:

Glaslonomer Cement Varnish

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

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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

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Category 2
	PYROPHORIC LIQUIDS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Not Classified
	ACUTE TOXICITY-DERMAL	Not Classified
	ACUTE TOXICITY-INHALATION(VAPOURS)	Not Classified
	ACUTE TOXICITY-INHALATION(DUST,MIST)	Category 4
	SKIN CORROSION/IRRITATION	Not Classified
	EYE DAMAGE/IRRITATION	Category 2A
	SENSITIZATION-RESPIRATORY	Category 1
	SENSITIZATION-SKIN	Category 1
	GERM CELL MUTAGENICITY	Not Classified
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 3(narcotic effects)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2 (respiratory system)
ENVIRONMENTAL HAZARD	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Category 3
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD	Category 3

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

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENTS

Highly flammable liquid and vapor
 May cause allergic skin reaction
 Causes serious eye irritation
 Harmful if inhaled (GAS/VAPOUR/DUST/MIST)
 May cause allergy or asthma symptoms or breathing difficulties if inhaled
 May cause drowsiness and dizziness
 Causes damage to organs through prolonged or repeated exposure

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(respiratory system)
 Harmful to aquatic life
 Harmful to aquatic life with long lasting effects

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.
 In case of inadequate ventilation wear respiratory protection.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Do not eat, drink or smoke when using this product.
 Keep away from ignition sources such as heat/sparks/open flames—No smoking.
 Ground/Bond container and receiving equipment.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workspace.
 Keep container tightly closed.
 Wash hands thoroughly after handling.
 Avoid release to the environment.

[Response]

If inhaled, 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.
 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

<i>Composition</i>		<i>Hazard type</i>
Ethyl acetate [Cas No.141-78-6]	>80 %	F
Rosin		
Others		

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.

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5.Fire-fighting measures

<i>5.1 Suitable Extinguishing Media:</i>	Powder, Alcohol-resistsnt foam, Carbon dioxide.
<i>5.2 Extinguishing Media Should not be used :</i>	N/A
<i>5.3 Special Exposure Hazards Arising:</i>	Irritation gases and fumes may emit.
<i>5.4 Special Protective Equipment:</i>	Wear fire protective cloth and self-contained breathing apparatus if necessary.

6.Accidental release measures

<i>6.1 Personal Precautions:</i>	See section 8.
<i>6.2 Environmental Precautions:</i>	Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
<i>6.3 Methods for Cleaning Up:</i>	Wipe up and discard in a suitable container.

7.Handling and storage

<i>7.1 Handling:</i>	Handle in a well ventilated place. Wear protective gloves, safety spectacles or face shield.(If nrcessary wear self-contained breathing apparatus.) Keep away from naked flames, sparks and sources of heat. No smoking.
<i>7.2 Storage:</i>	Store in a cool and dark fire proof area with container tightly closed.

8.Exposure controls/personal protection

<i>8.1Exposure limits:</i>	ACGIH TLV. Ethyl acetate [Cas No.141-78-6] 400 ppm (TWA)
<i>8.2 Respiratory Protection:</i>	Ventilation. Local exhaust.
<i>8.3 Hand Protection:</i>	Latex or rubber gloves
<i>8.4 Eye Protection:</i>	Safety spectacles
<i>8.5 Skin Protection:</i>	Not required (General working clothes.)

9.Physical and chemical properties

<i>9.1 Appearance/Odour/pH</i>	Colorless liquid with sweet odor
<i>9.2 Boiling Point/Boiling Range:</i>	N/D
<i>9.3 Melting Point/Melting Range:</i>	N/D
<i>9.4 Flash point:</i>	< 0°C
<i>9.5 Auto flammability:</i>	N/D
<i>9.6 Explosive Properties:</i>	N/D
<i>9.7 Oxidizing Properties:</i>	N/D
<i>9.8 Vapour Pressure:</i>	N/D
<i>9.9 Relative Density:</i>	N/D
<i>9.10 Solubility: water solubility</i>	Insoluble

10.Stability and reactivity

<i>10.1 Stability:</i>	Stable under recommended storage conditions.
<i>10.2 Reactivity:</i>	Heating may cause violent combustion or explosion. Decomposes under the influence of UV light, acids, bases. Reacts with strong oxidants, bases or acids. Attacks aluminium and plastics.
<i>10.3 Condition to avoid:</i>	Avoid direct sunlight and high temperature. Avoid excess heat, flame and other source of ignition. Separated from strong oxidants.

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10.4 Materials to avoid:

Strong oxidizing materials

11.Toxicological information

Ethyl acetate ;

Inhalation (Acetic acid, ethyl ester)

mouse LC50 45 g/m³/2H

rat LC50 200 g/m³

Oral (Acetic acid, ethyl ester)

mouse LD50 4100 mg/kg

rat LD50 5620 mg/kg

Dermal (Acetic acid, ethyl ester)

rabbit LD50 > 20 ml/kg

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

UN Hazard Class:3/UN Packing Group: II

UN NO.1173 (as Ethyl acetate)

15.Regulatory information

Follow all regulations in your country.

16.Other information

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