### **SAFETY DATA SHEETS**

# This SDS packet was issued with item: 076345839

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).

076345078

### MATERIAL SAFETY DATA SHEET

	MATERIAL SAFETT DATA SHEET	
1.Identification of the substa	nce or mixture and of the supplier	
1.1 Product Name:		
Glaslonomer Base	Cement "LIQUID"	
1.2 Company /Undertakir		
Manufacturer s Na		
	takamatsu-cho, Fukunine, Higashiyama-ku, Kyoto 6	05-0983 ,JAPAN
Phone: +81-75-56	••••	
Fax: +81-75-561-		
,	Quality Assurance Section	
Date Prepared:	2012.6.7	
1.3 Emergency Telephone		
+81-75-561-1112	, itanibbi	
2.Hazardous 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 STATEME		
	[Prevention]	
	Obtain special instruction before use.	
	Do not handle until all safety precautions have b	
	Wear protective gloves and eye/face protection.	
	Do not breathe dust/fume/gas/mist/vapours/s	pray.
	Keep container tightly closed.	
	Wash hands thoroughly after handling.	
	[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	e with regulation.
3.Composition/information of	n ingredients	
Composition		Content
•	/licacid and tricarboxylic acid (Water solution)	> 90%
Tartaric acid [Cas	- · · · · · · · · · · · · · · · · · · ·	< 10%
Others		
	us 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 saop and plenty of water. If on skin, skin irritation, get medical

### MATERIAL SAFETY DATA SHEET

advice/attention.

Rinse mouth. Get medical advice/attention.

4.3 Ingestion : 4.4 Inhalation : Remove victim to flesh air and keep at rest in a position comfortable for breathing.

If symptom concerning breath gose out, call a POISON CENTER to doctor.

	sures			
5.1 Suitable Extil		Powder, Alcohol-resistsnt foam, Carbon dioxide.		
5.2 Extinguishing Media Should not be used		used : N/A		
5.3 Special Exposure Hazards Arising:		N/A		
5.4 Special Prote	ective Equipment:	N/A		
6.Accidental release	e measures			
6.1 Personal Pre	ecautions:	See section 8. Avoid contact with eyes and skin.		
6.2 Environmental Precautions: 6.3 Methods for Cleaning Up:		Send to approved treatment/disposal company or		
		dispose according to local, state and federal regulations. Wipe up and discard in a suitable container.		
7.1 Handling:	Ventilation. Local e	xhaust. Avoid inhailing and contact with eyes and skin.		
-	Keep away from ign	ition 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 org	anic peroxide. Keep containers closed.		
Exposure controls	s/personal protection	<u> </u>		
8.1Exposure limit	ts:	ACGIH TLV.		
		None assigned.		
8.2 Respiratory F	Protection: Local ext	haust		
8.3 Hand Protect	<i>tion:</i> Latex or	rubber gloves		
8.4 Eye Protectio	<i>on:</i> Safety go	oggles or eye protection.		
8.5 Skin Protecti	<i>ion:</i> Not requ	ired. General protective overalls.		
	un notroqu			
	,			
	nical properties	Odourless, color less liquid		
Physical and chen	nical properties 'Odour/pH	Odourless, color less liquid ≒100°C		
.Physical and chen 9.1 Appearance/	nical properties Odour/pH /Boiling Range:	•		
.Physical and chen 9.1 Appearance/ 9.2 Boiling Point/	nical properties Odour/pH /Boiling Range:	≒100°C		
Physical and chem. 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat	nical properties Odour/pH /Boiling Range: /Melting Range: bility:	≒100°C N/D		
Physical and chen 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point:	nical properties Odour/pH /Boiling Range: /Melting Range: bility:	≒100°C N/D N/D N/D N/D		
Physical and chem. 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat	nical properties Odour/pH /Boiling Range: /Melting Range: bility: perties:	≒100°C N/D N/D N/D		
Physical and chen 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro	nical properties Odour/pH /Boiling Range: /Melting Range: bility: pperties: perties:	≒100°C N/D N/D N/D N/D		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro	nical properties Odour/pH /Boiling Range: /Melting Range: bility: pperties: perties: sure:	≒100°C N/D N/D N/D N/D N/D		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro 9.8 Vapour Press	nical properties Odour/pH /Boiling Range: /Melting Range: bility: pperties: perties: sure:	≒100°C N/D N/D N/D N/D N/D N/D		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point. 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro 9.8 Vapour Press 9.9 Relative Dens	nical properties Odour/pH /Boiling Range: /Melting Range: bility: perties: perties: sure: sity:	≒100°C N/D N/D N/D N/D N/D 1.27		
Physical and chen 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point: 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro 9.8 Vapour Press 9.9 Relative Dens 9.10 Solubility:	nical properties Odour/pH /Boiling Range: /Melting Range: bility: perties: perties: sure: sure: sity: water solubility	≒ 100°C N/D N/D N/D N/D N/D 1.27 Soluble		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point: 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro 9.8 Vapour Press 9.9 Relative Dens 9.10 Solubility: 9.11 pH:	nical properties Odour/pH /Boiling Range: /Melting Range: bility: perties: perties: sure: sure: sity: water solubility	≒ 100°C N/D N/D N/D N/D N/D 1.27 Soluble		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point: 9.4 Flash point: 9.5 Auto flammat 9.6 Explosive Pro 9.7 Oxidizing Pro 9.7 Oxidizing Pro 9.8 Vapour Press 9.9 Relative Dens 9.10 Solubility: 9.11 pH:	nical properties Odour/pH /Boiling Range: /Melting Range: bility: perties: perties: sure: sure: sity: water solubility	≒ 100°C N/D N/D N/D N/D N/D 1.27 Soluble N/D		
Physical and chem 9.1 Appearance/ 9.2 Boiling Point/ 9.3 Melting Point/ 9.4 Flash point: 9.5 Auto flammal 9.6 Explosive Pro 9.7 Oxidizing Pro 9.8 Vapour Press 9.9 Relative Dens 9.10 Solubility: 9.11 pH: 0.Stability and read 10.1 Stability:	nical properties Odour/pH /Boiling Range: /Melting Range: billity: perties: perties: sure: sity: water solubility ctivity	≒100°C N/D N/D N/D N/D N/D 1.27 Soluble N/D Stable under the normal condition.		

### MATERIAL SAFETY DATA SHEET

#### 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 (to be specified).

### 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)

### SAFETY DATA SHEET

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

1.1 Product Name:

### GlasIonomer Cement "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: 2014.9.22 1.3 Emergency Telephone Number +81-75-561-1112

### 2.Hazards identification

GHS CLASSIFICATION PHYSICAL HAZARDS FL

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	Content	
Copolymer of acrylicacid and tricarboxylic acid (Water solution)	> 90%	
Tartaric acid [Cas No.87–69–4]	< 10%	
Others		

# SAFETY DATA SHEET

Hazardous ingredients are not include.

.First-aid measures			
4.1 Eye contact :	Rinse cautiously with wa	ater 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 s	saop and plenty of water. If on skin, skin irritation, get medica	
advice/attention.			
0	Rinse mouth. Get medic		
4.4 Inhalation :	Remove victim to flesh a	air and keep at rest in a position comfortable for breathing.	
	If symptom concerning b	preath gose out, call a POISON CENTER to doctor.	
5.Fire-fighting measu	res		
5.1 Suitable Exting	ruishing Media:	Powder, Alcohol-resistsnt foam, Carbon dioxide.	
-	ledia Should not be used		
	ire Hazards Arising:	N/A	
5.4 Special Protec		N/A	
3.Accidental release			
6.1 Personal Preca		ee section 8. Avoid contact with eyes and skin.	
6.2 Environmental		end to approved treatment/disposal company or	
0.2 LINN ON MERICA		spose according to local, state and federal regulations.	
6.3 Methods for Ci		pe up and discard in a suitable container.	
.Handling and storag	(e		
7.1 Handling:	Ventilation. Local exhau	st. Avoid inhailing 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.	
B.Exposure controls/	personal protection		
8.1Exposure limits.		ACGIH TLV.	
		None assigned.	
8.2 Respiratory Pr	<i>otection:</i> Local exhaus	t	
8.3 Hand Protectic	on: Latex or rubb	per gloves.	
8.4 Eye Protection	: Safety goggle	es or eye protection.	
8.5 Skin Protection	n: Not required.	General protective overalls.	
9.Physical and chemi	cal properties		
9.1 Appearance/O	<i>dour/pH</i> Oc	dourless, color less liquid	
9.2 Boiling Point/E	Boiling Range: ≒	100°C	
9.3 Melting Point/I	<i>Melting Range:</i> N/	́ D	
9.4 Flash point:	N⁄	ŹD	
9.5 Auto flammabil	<i>lity:</i> N/	́ D	
9.6 Explosive Prop	erties: N/	′D	
9.7 Oxidizing Prop		Ϋ́D	
9.8 Vapour Pressu			
9.9 Relative Densit	<i>ty:</i> 1.2	27	

## SAFETY DATA SHEET

### 10.Stability and reactivity

- 10.1 Stability:
- 10.2 Reactivity:
- 10.3 Condition to avoid:
- 10.4 Materials to avoid:

Stable under recommended storage conditions. N/A Avoid direct sunlight and high temperature. 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)