

SAFETY DATA SHEETS

This SDS packet was issued with item:

076344923

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

076344931 076345037

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

"Reviewed September 2010: No Changes"

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)

Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and Use)
CoreShade Glasionomer Base Liquid

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Shofu Dental Corporation	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 1225 Stone Drive	Telephone Number for Information 760-736-3277
San Marcos, CA 92078	Date Prepared OCTOBER 1, 2002
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
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No hazardous material present in concentration greater than 1% (0.1% for carcinogens).

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity ($H_2O = 1$)	Above 1.0
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	About 1.0
Solubility in Water	Complete		
Appearance and Odor	Colorless, viscous liquid		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	N/A				
Unusual Fire and Explosion Hazards	N/A				

CoreShade Glasionomer Base Liquid

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

N/A

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	N/A	Possible	Possible

Health Hazards (Acute and Chronic) Avoid skin & eye contact. Could cause irritation.

Carcinogenicity:	NTP?	MARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure Skin or eye irritation

Medical Conditions Generally Aggravated by Exposure Unknown

Emergency and First Aid Procedures
Eyes: Flush promptly w/flowing water. Consult physician if necessary. Skin contact: Wash area w/mild soap & water. Ingestion: Drink plenty of water. Consult physician if necessary.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Wipe up and discard in a suitable container.

Waste Disposal Method

Disposal in accordance with federal, state, and local regulations.

Precautions to Be Taken in Handling and Storage

Store in a cool area with lid tightly closed.

Other Precautions
Handling of product exclusively by dental specialists according to instructions for use.

Section VIII — Control Measures

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust	Special
N/A	Mechanical (General)	Other

Protective Gloves	N/A	Eye Protection	May be required
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Other Protective Clothing or Equipment N/A

Work/Hygiene Practices N/A

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and LHM)
CoreShade GlasIonomer Base Powder

Note: Blank spaces are not permitted. If any item is not applicable, or no
information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Shofu Dental Corporation	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 1225 Stone Drive San Marcos, CA 92078	Telephone Number for Information 760-736-3277
Date Prepared 01/10/2013	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	Hy (optional)
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No hazardous material is present in concentration greater than 1% (0.1% for carcinogens).

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble		
Appearance and Color	White, odorless powder		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	UEL
Extinguishing Media	N/A				
Special Fire Fighting Procedures	N/A				
Unusual Fire and Explosion Hazards	N/A				

CoreShade GlasIonomer Base Powder

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X
Incompatibility (Materials to Avoid)	N/A	
Hazardous Decomposition or Byproducts	N/A	
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	May be possible	N/A	May be possible
Health Hazards (Acute and Chronic)	No data		

Carcinogenicity:	NTP?	MARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure
Contact with eyes may cause irritation due to foreign body reaction.

Medical Conditions Generally Aggravated by Exposure	Unknown
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Emergency and First Aid Procedures
Eye contact: Flush promptly with flowing water. If irritation develops, consult a
physician. Ingestion: Drink plenty of water. Consult a physician if necessary.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Wipe up and discard in a suitable container.

Waste Disposal Method	Disposal must be in accordance with federal, state, and local regulations.
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Precautions to Be Taken in Handling and Storage	Store in a cool area with lid tightly closed.
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Other Precautions
Handling of the product exclusively by dental specialists according to the
instructions for use.

Section VIII — Control Measures

Respiratory Protection (Specify Type)	N/A	
Ventilation	Local Exhaust	Special
	Mechanical (General)	Other
Protective Gloves	N/A	Eye Protection
		May be required
Other Protective Clothing or Equipment	N/A	
Work/Hygiene Practices	Avoid eye contact	

SAFETY DATA SHEET

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

1.1 Product Name:

CoreShade GlasIonomer Base 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. 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 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%

Hazardous ingredients are not include.

SAFETY DATA SHEET

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-resistsnt 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

- 8.1Exposure 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:** $\cong 100^{\circ}\text{C}$
- 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:** 1.27
- 9.10 Solubility: water solubility** Soluble
- 9.11 pH:** 2~3 (as a 10% solution)

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10.Stability and reactivity

- | | |
|---------------------------------|---|
| <i>10.1 Stability:</i> | Stable under the normal condition. |
| <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 (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 the substance or mixture and of the supplier

1.1 Product Name:

CoreShade GlasIonomer Base Cement "POWDER"

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. Hazardous identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE SOLIDS	Not Classified
	PYROPHORIC SOLIDS	Not Classified
	SELF-HEATING SUBSTANCES AND MIXTURES	Not Classified
	SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES	Not Classified
HEALTH HAZARDS	OXIDIZING SOLIDS	Not Classified
	ACUTE TOXICITY-ORAL	Not Classified
	EYE DAMAGE/IRRITATION	Category 2B
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2(lung)

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

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Warning

HAZARD STATEMENTS

Causes eye irritation
Warning May cause damage to organs through prolonged or repeated exposure(lung)

PRECAUTIONARY STATEMENTS

[Prevention]
Obtain special instruction before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust.
Wash hands thoroughly after handling.
[Response]
Get medical advice/attention if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes.

SAFETY DATA SHEET

Remove contact lenses, if present and easy to do. Continue rinsing.

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>Content</i>
Alumino fluoro silicate glass	≡ 85%
Barium sulphate	≡ 15%
Others	
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 and seek medical advice if necessary.
- 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

This product is non-flammable.

- | | |
|---|-----|
| 5.1 Suitable Extinguishing Media: | N/A |
| 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:** Local dust extraction measures are recommended. Avoid prolonged inhalation. Handling of the product exclusively restrict to dental specialists, according to the instruction for use.
- 7.2 Storage:** Store in a cool and dry conditions with lid tightly closed.

8.Exposure controls/personal protection

- | | |
|------------------------------------|--|
| 8.1Exposure limits: | ACGIH TLV.
None assigned. |
| 8.2 Respiratory Protection: | Dust mask(may be) |
| 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. |

SAFETY DATA SHEET

9. Physical and chemical properties

9.1 Appearance/Odour/pH	Yellowish white odorless powder
9.2 Boiling Point/Boiling Range:	N/D
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:	$\approx 2.3 \text{ g/cm}^3$
9.10 Solubility: water solubility	Insoluble

10. Stability and reactivity

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

11. Toxicological information

No information

12. Ecological information

No information

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)