

# SAFETY DATA SHEET

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

### 1.1 Product Name:

**CERAMAGE Body group composite paste  
( OPAQUE DENTIN/ BODY/ CERVICAL/ INCISAL/ TRANSLUCENT  
/ CONCENTRATE)**

### 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: +81-75-275-4795

Section in Charge: Quality Assurance Section

Date Prepared: 2013.7.3

### 1.3 Emergency Telephone Number

+81-75-561-1112

## 2. Hazards identification

### GHS CLASSIFICATION

HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Not Classified
	ACUTE TOXICITY-DERMAL	Not Classified
	SKIN CORROSION/IRRITATION	Category 2
	EYE DAMAGE/IRRITATION	Not Classified
	SENSITIZATION-SKIN	Not Classified
ENVIRONMENTAL HAZARD	CARCINOGENICITY	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD	Not Classified

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

### LABEL ELEMENTS

#### SYMBOL



#### SIGNAL WORD

Warning

#### HAZARD STATEMENTS

Causes skin irritation

#### 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.

Wash hands thoroughly after handling.

[Response]

Take off contaminated clothing and wash before reuse.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

[Storage]

Store in a cool and dark area.(Keep refrigerated when not in use)

# SAFETY DATA SHEET

[Disposal]

Dispose of contents and container in accordance with regulation.

## 3. Composition/information on ingredients

<i>Composition</i>	<i>%</i>
Zirconium silicate filler (amorphas)[Cas No.14940-68-2]	50
UDMA[Cas No.72869-86-4]	
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. 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 gose out, call a POISON CENTER to doctor.

## 5. Fire-fighting measures

- 5.1 Suitable Extinguishing Media:* CO2, Dry chemical, Foam
- 5.2 Extinguishing Media Should not be used :* N/A
- 5.3 Special Exposure Hazards Arising:* In case of fire, do not breath fumes and gases. (Irritation gases and fumes may emit.)
- 5.4 Special Protective Equipment:* Wear fire protective cloth and self-contained breathing apparatus if necessary.

## 6. Accidental release measures

- 6.1 Personal Precautions:* N/A
- 6.2 Environmental Precautions:* 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:* Avoid inhalation of grindings and prolonged skin contact with uncured resin.
- 7.2 Storage:* Store in a cool and dark area.(Keep refrigerated when not in use)

## 8. Exposure controls/personal protection

- 8.1 Exposure limits:* ACGIH TLV.  
Zirconium silicate filler(amorphas) TWA 5mg(Zr)/m<sup>3</sup>  
STEL 10mg(Zr)/m<sup>3</sup>
- 8.2 Respiratory Protection:* Use dust mask while grinding or finishing.
- 8.3 Hand Protection:* Latex or rubber gloves
- 8.4 Eye Protection:* Safety goggles (May be required)
- 8.5 Skin Protection:* Not required (Observe normal care when working with chemicals.)

## 9. Physical and chemical properties

- 9.1 Appearance/Odour/pH* Colored putty-like paste with sweet odor

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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:	1.76 (water=1)
9.10 Solubility: water solubility	Insoluble

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## 10.Stability and reactivity

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10.1 Stability:	Stable under normal temperatures and pressures.
10.2 Condition to Avoid:	Excessive heat (high temperature), open flames, ignition source, and exposure to sunlight.
10.3 Materials to Avoid:	Strong oxidizing materials.
10.4 Hazardous Decomposition Products:	Will not occur.

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## 11.Toxicological information

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No information

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## 12.Ecological information

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The product should not be allowed to drain into sewers.

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## 13.Disposal considerations

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

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## 14.Transport information

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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.

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## 15.Regulatory information

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Follow all regulations in your country.

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## 16.Other information

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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:

**CERAMAGE "FLOWABLE COMPOSITE RESIN "**

### 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: +81-75-275-4795

Section in Charge: Quality Assurance Section

Date Prepared: 2013.7.3

### 1.3 Emergency Telephone Number

+81-75-561-1112

## 2. Hazards identification

### GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Not Classified
	ACUTE TOXICITY-DERMAL	Not Classified
ENVIRONMENTAL HAZARD	SKIN CORROSION/IRRITATION	Category 2
	EYE DAMAGE/IRRITATION	Category 2A
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD	Not Classified

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

### LABEL ELEMENTS

#### SYMBOL



#### SIGNAL WORD

Warning

#### HAZARD STATEMENTS

Causens skin irritation  
Causens serious eye irritation

#### 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.

Wash hands thoroughly after handling.

[Response]

Take off contaminated clothing and wash before reuse.

IF ON SKIN: Wash with plenty of soap and water.

If skin ir ritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes.

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

If eye irritation persists: Get medical advice/attention.

# SAFETY DATA SHEET

**[Storage]**

Store in a cool and dark area.(Keep refrigerated when not in use)

**[Disposal]**

Dispose of contents and container in accordance with regulation.

### 3.Composition/information on ingredients

<i>Composition</i>	<i>%</i>
Zirconium silicate filler (amorphas)[Cas No.14940-68-2]	40
UDMA[Cas No.72869-86-4]	
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. 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 gose out, call a POISON CENTER to doctor.

### 5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:** CO<sub>2</sub>, Dry chemical, Foam
- 5.2 Extinguishing Media Should not be used :** N/A
- 5.3 Special Exposure Hazards Arising:** In case of fire, do not breath fumes and gases. (Irritation gases and fumes may emit.)
- 5.4 Special Protective Equipment:** Wear fire protective cloth and self-contained breathing apparatus if necessary.

### 6.Accidental release measures

- 6.1 Personal Precautions:** N/A
- 6.2 Environmental Precautions:** 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:** Avoid inhalation of grindings and prolonged skin contact with uncured resin.
- 7.2 Storage:** Store in a cool and dark area.(Keep refrigerated when not in use)

### 8.Exposure controls/personal protection

- 8.1Exposure limits:** ACGIH TLV.  
Zirconium silicate filler(amorphas) TWA 5mg(Zr)/m<sup>3</sup>  
STEL 10mg(Zr)/m<sup>3</sup>
- 8.2 Respiratory Protection:** Use dust mask while grinding or finishing.
- 8.3 Hand Protection:** Latex or rubber gloves
- 8.4 Eye Protection:** Safety goggles (May be required)
- 8.5 Skin Protection:** Not required (Observe normal care when working with chemicals.)

# SAFETY DATA SHEET

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**9. Physical and chemical properties**

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<i>9.1 Appearance/Odour/pH</i>	Colored low consistency paste 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>	N/D
<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>	1.54 (water=1)
<i>9.10 Solubility: water solubility</i>	Insoluble

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**10. Stability and reactivity**

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<i>10.1 Stability:</i>	Stable under normal temperatures and pressures.
<i>10.2 Condition to Avoid:</i>	Excessive heat (high temperature), open flames, ignition source, and exposure to sunlight.
<i>10.3 Materials to Avoid:</i>	Strong oxidizing materials.
<i>10.4 Hazardous Decomposition Products:</i>	Will not occur.

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**11. Toxicological information**

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No information

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**12. Ecological information**

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The product should not be allowed to drain into sewers.

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**13. Disposal considerations**

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

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**14. Transport information**

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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.

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**15. Regulatory information**

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Follow all regulations in your country.

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**16. Other information**

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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:

**CERAMAGE "OPAQUE & PREOPAQUE "**

### 1.2 Company /Undertaking identification

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

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

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### GHS CLASSIFICATION

PHYSICAL HAZARDA	FLAMMABLE LIQUIDS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Not Classified
	ACUTE TOXICITY-DERMAL	Not Classified
	SKIN CORROSION/IRRITATION	Not Classified
	EYE DAMAGE/IRRITATION	Category 2A
	SENSITIZATION-SKIN	Category 1
	GERM CELL MUTAGENICITY	Not Classified
	TOXIC TO REPRODUCTION	Not Classified
ENVIRONMENTAL HAZARD	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD	Not Classified
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD	Not Classified

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

### LABEL ELEMENTS

#### SYMBOL



#### SIGNAL WORD

Warning

#### HAZARD STATEMENTS

May cause allergic skin reaction  
Causes serious eye irritation

#### 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/vapours.

Contaminated work clothing should not be allowed out of the workspace.

Wash hands thoroughly after handling.

## SAFETY DATA SHEET

### [Response]

Take off contaminated clothing and wash before reuse.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes.

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.(Keep refrigerated when not in use)

### [Disposal]

Dispose of contents and container in accordance with regulation.

### 3.Composition/information on ingredients

<i>Composition</i>	<i>%</i>	<i>Hazard type</i>
2-Hydroxy Ethyl Methacrylate [Cas No. 868-77-9]	4 ~ 7	<b>Xi</b>
Micro fumed silica (amorphous) [Cas No. 112945-52-5]	5 ~ 10	
UDMA [Cas No.72869-86-4]		
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.

### 5.Fire-fighting measures

- 5.1 Suitable Extinguishing Media:* CO2, Dry chemical, Foam
- 5.2 Extinguishing Media Should not be used :* N/A
- 5.3 Special Exposure Hazards Arising:* Irritation gases and fumes may emit.
- 5.4 Special Protective Equipment:* Wear fire protective cloth and self-contained breathing apparatus if necessary.

### 6.Accidental release measures

- 6.1 Personal Precautions:* Avoid eye and skin contact. See section 8.
- 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:* Avoid inhalation of grindings and prolonged skin contact with uncured resin.
- 7.2 Storage:* Store in a cool and dark area.(Keep refrigerated when not in use)

### 8.Exposure controls/personal protection

- 8.1Exposure limits:* ACGIH TLV.  
None assigned.



## SAFETY DATA SHEET

- 8.2 *Respiratory Protection:* Not required (use protective gas mask for organic gas, if necessary)  
 8.3 *Hand Protection:* Latex or rubber gloves  
 8.4 *Eye Protection:* Safety goggles (May be required)  
 8.5 *Skin Protection:* Not required (Observe normal care when working with chemicals.)

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### 9. Physical and chemical properties

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- 9.1 *Appearance/Odour/pH* Creamy paste multiple shades yellowish white to yellowish brown with sweet odor from acrylate  
 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:* 1.69 (opaque); 1.57 (preopaque)  
 9.10 *Solubility: water solubility* Insoluble

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### 10. Stability and reactivity

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- 10.1 *Stability:* Stable under normal temperatures and pressures.  
 10.2 *Condition to Avoid:* Excessive heat (high temperature), open flames, ignition source, and exposure to sunlight.  
 10.3 *Materials to Avoid:* Strong oxidizing materials.  
 10.4 *Hazardous Decomposition Products:* Will not occur.

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### 11. Toxicological information

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2-Hydroxy Ethyl Methacrylate ;				
Acute toxicity	Oral	rat		LD50 > 4000 mg/kg
	Dermal	rabbit		LD50 > 3000 mg/kg

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### 12. Ecological information

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The product should not be allowed to drain into sewers.

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### 13. Disposal considerations

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

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### 14. Transport information

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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.

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### 15. Regulatory information

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Follow all regulations in your country.

## SAFETY DATA SHEET

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**16. Other information**

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