

MATERIAL SAFETY DATA SHEET

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

1.1 Product Name:

BeutiSealant "PASTE"

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: 2012.5.18

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazardous identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE LIQUIDS	Not Classified
	SELF-HEATING SUBSTANCES AND MIXTURES	Not Classified
	SUBSTANCES AND MIXTURES WHICH,IN CONTACT WITH WATER,EMIT FLAMMABLE GASAS	Not Classified
HEALTH HAZARDS	ACUTE TOXICITY-ORAL	Category 4
	ACUTE TOXICITY-DERMAL	Not Classified
	ACUTE TOXICITY-INHALATION(VAPOURS)	Not Classified
	ACUTE TOXICITY-INHALATION(DUST,MIST)	Category 4
	SKIN CORROSION/IRRITATION	Category 2
	EYE DAMAGE/IRRITATION	Category 1
	SENSITIZATION-SKIN	Not Classified
	GERM CELL MUTAGENICITY	Category 2
	CARCINOGENICITY	Not Classified
	TOXIC TO REPRODUCTION	Category 1A
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 2(heart, nerve,liver,kidney)
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2 (respiratory, kidney nervous system)	
ENVIRONMENTAL HAZARD	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

Danger

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HAZARD STATEMENTS

Harmful if swallowed
 Causes skin irritation
 Causes serious eye damage
 Harmful if inhaled
 Suspected of causing genetic defects
 May damage fertility or the unborn child
 May cause damage to organs(heart,nerve,liver,kidney)
 Warning May cause damage to organs through prolonged or repeated exposure(respiratory, nervous system,kidney)

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 eat, drink or smoke when using this product.
 Do not breathe dust//mist/vapours.
 Use only outdoors or in a well-ventilated area.
 Use personal protective equipment as required.
 Wash hands thoroughly after handling.

[Response]
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Get medical advice/attention if you feel unwell.
 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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

[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>	%
Glass powder	≐ 30
UDMA [Cas No.72869-88-4]	
TEGDMA [Cas No.109-16-0]	
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.

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- 4.2 *Skin contact* : Wash with plenty of soap and water. If on skin, skin irritation, get medical advice/attention.
- 4.3 *Ingestion* : Rinse mouth. Consult physician 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

- 5.1 *Suitable Extinguishing Media:* CO₂, dry chemical, foam
- 5.2 *Extinguishing Media Should not be used :*
- 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 *Respiratory Protection:* Not required (use dust mask while grinding or finishing)
- 8.2 *Hand Protection:* Latex or rubber gloves
- 8.3 *Eye Protection:* Safety goggles (May be required)
- 8.4 *Skin Protection:* Not required

9. Physical and chemical properties

- 9.1 *Appearance/Odour/pH* Low viscosity paste of the lemon yellow
- 9.2 *Boiling Point/Boiling Range:* N/D
- 9.3 *Melting Point/Melting Range:* N/D
- 9.4 *Flash point:* 130°C
- 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 1.2 (water=1)
- 9.10 *Solubility: water solubility* Insoluble

10. Stability and reactivity

- 10.1 *Stability:* Stable under the normal condition.
- 10.2 *Reactivity:* Polymerization will occur with heat, light.
- 10.3 *Condition to avoid:* Direct sunlight, high temperature and heating.
- 10.4 *Materials to avoid:* Strong oxidizing materials

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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 (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)

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1. Identification of the Product and the Company

1.1 Product Name:

BeutiSealant "Primer"

1.2 Company /Undertaking identification

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

Address: 11-Kamitakamatsu-Cho Fukunine Higashiyamaku Kyoto 605-0983 ,JAPAN

Phone: +81-75-561-1112

Fax: +81-75-561-2273

Division: Quality Assurance Section Manager

Date Prepared: 2011.2.4

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazardous Identification

*GHS Label elements

PHYSICAL HAZARDS

FLAMMABLE LIQUIDS	Category 2
PYROPHORIC LIQUIDS	Not Classified
CORROSIVE TO METALS	Not Classified

HEALTH HAZARDS

ACUTE TOXICITY-ORAL	Not Classified
ACUTE TOXICITY-DERMAL	Not Classified
ACUTE TOXICITY-INHALATION(VAPOURS)	Not Classified
SKIN CORROSION/IRRITATION	Not Classified
EYE DAMAGE/IRRITATION	Category 2A
SENSITIZATION-RESPIRATORY	Category 1
SENSITIZATION-SKIN	Category 1
GERM CELL MUTAGENICITY	Not Classified
CARCINOGENICITY	Not Classified
TOXIC TO REPRODUCTION	Category 2
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 3(narcotic effects,respiratory tract irritation)
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 2(blood)

ENVIRONMENTAL HAZARD

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

Danger

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HAZARD STATEMENTS	<p>Highly flammable liquid and vapor May cause allergic skin reaction. Causes serious eye irritation May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation, or May cause drowsiness and dizziness Suspected of damaging fertility or unborn child Warning May cause damage to organs through prolonged or repeated exposure (blood)</p>
PREVENTTION	<p>[Measure of safety] 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. [Emergency measures] 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. Take off immediately contaminated clothing. Wash contaminated clothing before reuse. 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. (Keep refrigerated when not in use) [Disposal] Dispose of contents and container in accordance with regulation.</p>

COUNTRY AND REGIONAL INFORMATION

Refer to [15.Regulatory Information] for a domestic method.

3.Composition/Information on Ingredients

<i>Composition</i>		<i>Hazard type</i>
Acetone [Cas No.67-64-1]	≅ 60%	F .Xi
Purified water [Cas No.7732-18-5]		
Phosphonate monomer		
Others		

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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* :
- 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*: 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*: Handle in a well ventilated place. Wear protective gloves, safety spectacles or face shield. (If necessary wear self-contained breathing apparatus.)
Keep away from naked flames, sparks and sources of heat. No smoking.
- 7.2 *Storage*: Store in a cool and dark fire proof area with container tightly closed.
Separated from strong oxidants. (Keep refrigerated when not in use.)

8. Exposure Controls/Personal Protection

- 8.1 *Exposure limits*: ACGIH TLV.
Aceton [Cas No.67-64-1] 500ppm(TWA);750ppm(STEL)A4
- 8.2 *Respiratory Protection*: Ventilation. Local exhaust.
- 8.3 *Hand Protection*: Latex or rubber gloves
- 8.4 *Eye Protection*: Safety spectacles
- 8.5 *Skin Protection*: Not required (General working clothes.)

9. Physical And Chemical Properties

- 9.1 *Appearance/Odour/pH* Colorless liquid with sweet odor
- 9.2 *Boiling Point/Boiling Range*: N/D
- 9.3 *Melting Point/Melting Range*: 95 °C [as Acetone]
- 9.4 *Flash point*: -15.0 °C(closed)
- 9.5 *Auto flammability*: N/D
- 9.6 *Explosive Properties*: N/D
- 9.7 *Oxidizing Properties*:
- 9.8 *Vapour Pressure*: N/D
- 9.9 *Relative Density*: 0.94 (water=1)

10. Stability And Reactivity

- 10.1 Condition to Avoid:** Visible light on liquid.
Avoid excess heat, flame and other source of ignition.
Separated from strong oxidants.
- 10.2 Materials to Avoid:** Strong oxidizing materials

11. Toxicological Information*Acetone ;*

Acute toxicity : Emergency response guidebook

Vapors may cause dizziness or suffocation.

(Inhalation)	mouse	LCL0	110 g/m ³ /1H
	tat	LCL0	16000 ppm/4H
	human	TCL0	500 ppm
(Oral)	mouse	LD50	3000 mg/kg
	rat	LD50	5800 mg/kg
(Dermal)	rabbit	LD50	20 g/kg

Irritant properties :

Inhalation or contact with material may irritate or bum skin and eyes.

Irritant properties to skin/eye.

(Skin)	rabbit	3950 ug ; SEVERE
	rabbit	100 mg/24H ; MODERRATE
(Eye)	rabbit	395 mg open ; MILD
	rabbit	500 MG/24H ; MILD

Allergenic and sensitizing effects ; N/A

Chronic toxicity ;

Toxic : danger of serious damage to health by prolonged exposure through inhalation.

Carcinogenic effects ;

ACGIH-A4 : Not Classifiable as a Human Carcinogen.

Mutagenic effects ; N/A

Teratogenic effects ; N/A

Toxicity for reproduction ; N/A

12. Ecological Information

The product should not be allowed to drain into sewers.

13. Disposal Conditions

Disposal in accordance with federal, state and local regulations.

14. Transport InformationUN Hazard Class:3/UN Packing Group: II
UN NO.1090 (as Aceton)**15. Regulatory Information**

No information

16. Other Information

Handling of this product exclusively by dental specialists according to instruction for use.