1.Identification of the substance or mixture and of the	supplier
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1.1 Product Name:

#### BeautiBond

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: 2014.9.16 1.3 Emergency Telephone Number +81-75-561-1112

## 2.Hazardous identification

GHS CLASSIFICATION		
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	Category 3(narcotic
	TOXICITY (SINGLE EXPOSURE)	effects,respiratory
		tract irritation)
	SPECIFIC TARGET ORGAN SYSTEMIC	Category 2(blood)
	TOXICITY (REPEATED EXPOSURE)	
ENVIRONMENTAL HAZARD	HAZARDOUS TO THE AQUATIC	Not Classified
	ENVIRONMENT-ACUTE HAZARD	
	HAZARDOUS TO THE AQUATIC	Not Classified
	ENVIRONMENT-CHRONIC HAZARD	

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



Highly flammable liquid and vapor May cause allergic skin reaction Causens serious eye irritation

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HAZADD STATEMENTS	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 Waming May cause damage to organs throngh prolonged or repeated exposure(blood)
HAZARD 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.
	[Response]
	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.
	If on skin, wash with plenty of soap and water. If on skin, skin irritation,
	get medical advice/attention.
	If inhaled, 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.
	If swallowed, rinse mouth. Get medical advice/attention.
	[Storage]
	Store container tightiy closed in cool/well-ventilated place.
	[Disposal]
	Dispose of contents and container in accordance with regulation.

Composition		Hazard type
Bis-GMA [Cas No.1565-94-2]		
TEGDMA [Cas No.109-16-0]		
Phosphonic acid monomer		
Carboxylic acid monomer		
Acetone [Cas No.67-64-1]	≒50 %	F .Xi
Water [Cas No.7732-18-5]		
Others		
Water [Cas No.7732-18-5]	≒50 %	F .Xi

<i>4.1 Eye contact</i> :	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
	advice/attention.

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4.3 Ingestion :	Rinse mouth. Get medical advice/attention.
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.

re-fighting measures					
5.1 Suitable Extinguishing Media:	Powde	r, Alcohol-resistsnt foam, Carbon dioxide.			
5.2 Extinguishing Media Should not b	used : N/A				
5.3 Special Exposure Hazards Arising	Irritatio	on gases and fumes may emit.			
5.4 Special Protective Equipment:	Wear f	Wear fire protective cloth and self-contained			
	breath	ing apparatus if necessary.			
Accidental release measures					
6.1 Personal Precautions:	See section 8.	See section 8.			
6.2 Environmental Precautions:	Send to approved	treatment/disposal company or			
	dispose according	g to local, state and federal regulations.			
6.3 Methods for Cleaning Up:	Wipe up and disca	ard in a suitable container.			
landling and storage					
<i>7.1 Handling:</i> Handle in a well v	ntilated place. Wear	protective gloves, safety spectacles or			
face shield.(If nrce	sary wear self-cont	ainded breathing apparatus.)			
Keep away from r	ked flames, sparks a	nd sources of heat. No smorking.			
7.2 Storage: Store in a cool an	dark fire proof area	with container tightly closed.			
Separated from s	ong oxidants.(Keep i	efrigerated when not in use.)			
xposure controls/personal protection	<u>ו</u>				
8.1Exposure limits:		ACGIH TLV.			
Aceton [Cas No.67-64-1]	500ppr	n(TWA);750ppm(STEL)A4			
8.2 Respiratory Protection: Ventila	on. Local exhaust.				
8.3 Hand Protection: Latex of	rubber gloves				
8.4 Eye Protection: Safety	pectacles				
8.5 Skin Protection: Not rea	uired (General workin	ng clothes.)			
Physical and chemical properties					
9.1 Appearance/Odour/pH	Pale yellow liquid	with characteristic odor.			
9.2 Boiling Point/Boiling Range:	N/D				
9.3 Melting Point/Melting Range:	N/D				
9.4 Flash point:	−15.0 °C(closed)				
9.5 Auto flammability:	N/D				
9.6 Explosive Properties:	N/D				
9.7 Oxidizing Properties:	N/D				
<i>9.8 Vapour Pressure:</i>	N/D				
		(water=1)			
9.10 Solubility: water solubility	Soluble	ble			
Stability and reactivity					
10.1 Stability:	Stable under reco	ommended storage conditions.			
-		verization will occur with heat light			

# SAFETY DATA SHEET

and smoking etc.)

10.4 Materials to avoid:

Strong oxidizing materials

11.T	oxico	logical	infor	mation

Aceto	ne ;				
Acute	toxicity : Emergency	response guid	lebook		
	Vapor	s may cause o	dizziness c	or suffocation.	
	(Inhalation)	mouse	LCL0	110 g/m3/1H	
		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 :				
	Inhala	tion or contac	t with mat	terial may irritate or bum skin and eyes.	
	Irritant propertie	s to skin/eye.			
	(Skin)	rabbit	3950 ug	; SEVERE	
		rabbit	rabbit 100 mg/24H ; MODERRATE		
	(Eye)	rabbit	rabbit 395 mg open ; MILD		
		rabbit	500 MG	/24H ; MILD	
Allerge	enic and sensitizing ef	ffects ; N/A			
Chroni	c toxicity ;				
	Toxic : danger of	<sup>s</sup> serious dama	ge to heal	th by prolonged exposure through inhalation.	
Carcin	ogenic effects ;				
	ACGIH-A4 : Not	Classifiable a	s a Human	n Carcinogen.	
Mutage	enic effects ; N/A				
Terato	genic effects ; N/A				
Toxicit	ty for reproduction ; N	N/A			

## 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

UN Hazard Class:3/UN Packing Group: II UN NO.1090 (as Aceton)

#### 15.Regulatory information

Follow all regulations in your country.

### 16.Other information

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