

SAFETY DATA SHEET

page 1/7 SHOFU Universal Primer

		Printing date. January 7, 2019
SECTIO	ON 1. Identification of the substance or mixture and o	f the supplier
1.1	Product identifier	
	Trade Name:	
	SHOFU Universal Primer	
10		upper advised against
1.2	Relevant identified uses of the substance or mixture and u	ises auviseu against
	Relevant identified uses: Dental material	
	Uses advised against: No further data	
1.3	Details of the supplier of the safety date sheet	
	Company/Undertaking identification	
	Manufacturer's Name: SHOFU INC.	
	Address: 11 Kamitakamatsu-cho, Fukuine, Higashiy	ama-ku, Kvoto 605-0983, JAPAN
	Phone: +81-75-561-1112	
	Fax: +81-75-275-4795	
	Section in Charge: Quality Assurance Section	
1.4	Emergency Telephone Number	
	+81-75-561-1112	
SECTIO	ON 2. Hazards identification	
2.1	GHS Classification	
	PHYSICAL HAZARDS	
	FLAMMABLE LIQUIDS	Catagory 2
		Category 2
	HEALTH HAZARDS	
	EYE DAMAGE/IRRITATION	Category 2B
	TOXIC TO REPRODUCTION	Category 2
	SPECIFIC TARGET ORGAN SYSTEMIC TOXIC	ITY (SINGLE EXPOSURE)
		Category 3 (respiratory tract
		irritation, narcotic effects)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXIC	
		Category 2 (blood)
		Category 2 (blood)
	The third with a transforming out of a place (in the place)	
	The thing without mention is out of a classification object.	Or cannot classify it.
2.2	Label elements	
	SYMBOL	
	$\land \land \land$	
	$\langle \langle \rangle \rangle \langle \langle \rangle \rangle \langle \rangle \rangle$	
	GHS02 GHS07 GHS08	
	HAZARD-DETERMINING COMPONENTS OF LABELLIN	G
		6
	Acetone	
	SIGNAL WORD Danger	
	HAZARD STATEMENTS	
	Highly flammable liquid and vapor	
	Causes eye irritation	
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	May cause respiratory irritation	
	May cause drowsiness and dizziness	
	Suspected of damaging fertility or the unborn child	
	May cause damage to organs through prolonged or repeated exposure (blood)	
	PRECAUTIONARY STATEMENTS	
	[Prevention]	
	Do not handle until all safety precautions have been read and understood.	
	Wear protective gloves and eye/face protection.	
	Do not breathe mist/vapors.	
	Do not eat, drink or smoke when using this product.	
	Keep away from ignition sources such as heat/sparks/open flames-No smoking.	
	Use only outdoors or in a well-ventilated area.	
	Keep container tightly closed.	
	Wash hands thoroughly after handling.	
	[Response]	
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
	Get medical advice/attention if you feel unwell.	
	IF ON SKIN: Wash with plenty of water and soap.	
	If skin irritation or rash 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 container tightly closed in cool/well-ventilated place.	
	[Disposal]	
	Dispose of contents and container in accordance with regulation.	
2.3	Other hazards	
	Results of PBT and vPvB assessment	
	PBT: Not applicable.	
	vPvB: Not applicable.	
SECTIO		
3.1	Chemical characterization: Mixtures	
3.2	2 Description: Mixture of substances listed below with nonhazardous additions.	
3.3	Dangerous components:	
	Acetone[Cas.No.67-64-1] 99-99.5 %	
	Phosphonate monomer	
	Others	
3.4	Additional information: For the wording of the listed risk phrases refer to section 2	
SECTIO		
4.1	Description of first aid measures	
	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.	



Skin contact: Wash immediately with soap and plenty of water. If on skin, skin irritation, get medical advice/attention. Ingestion: Rinse mouth and seek medical advice if necessary. 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 or doctor. 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available. 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available. **SECTION 5. Fire-fighting measures** Extinguishing Media: 5.1 Foam, CO₂, Powder, Dry sand Special hazards arising from the substance or mixture: 5.2 Easily flammable liquid in room temp. Fire may produce irritating, corrosive and/or toxic gases. 5.3 Advice for firefighters: Wear fire protective cloth and self-contained breathing apparatus, if necessary. SECTION 6. Accidental release measures Personal precautions, protective equipment and emergency procedures: 6.1 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. Methods and material for containment and cleaning Up: 6.3 Wipe up and discard in a stable container. 6.4 Reference to other section: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. **SECTION 7.** Handling and storage Precautions for safe handling: 7.1 Handle in a well ventilated place. Keep away from open flames, sparks and sources of heat. No smoking. 7.2 Conditions for safe storage, including any incompatibilities: Store in a cool and dark area with container tightly closed. Separated from strong oxidants.(Keep refrigerated when not in use.) 7.3 Specific end use(s): No further relevant information available. SECTION 8. Exposure controls/personal protection Control parameters: 8.1 Version Number 1 Date of issue: January 7, 2019



				Printing date: January 7, 2019			
	Exposure lim	iits:					
		ACGIH	NIOSH	OSHA-Final PELs			
	Acetone	500 ppm TWA	250 ppm TWA	1000 ppm TWA			
		750 ppm STEL	(590mg/m ³ TWA)	2400 mg/m ³ TWA			
			2500 ppm IDLH				
8.2	Exposure controls:						
	Respiratory Protection:						
	Not required (use prote		tive gas mask for orga	anic gas, if necessary)			
	Skin Protection:	kin Protection: Hand Protection					
		The glove material has to be impermeable and resistant to the product/ the					
		substance/ the preparati		a aloue meterial can be aiven			
		-		e glove material can be given			
		for the product/ the prep		n of the penetration times,			
		rates of diffusion and the		n or the penetration times,			
		 Material of gloves 	degradation.				
	C C						
		The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from					
				the product is a preparation			
				• • •			
		of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked					
		prior to the application.					
		Penetration time of glove material					
		The exact break through time has to be found out by the					
		manufacturer of the protective gloves and has to be observed.					
		 For the permanent contact of a maximum of 15 minutes gloves made of 					
	the following materials are suitable:						
	Butyl rubber, BR						
		Nitrile rubbe	er, NBR				
	Eye Protection:	Safety goggles					
SECTIO		d chemical properties					
9.1		ic physical and chemical pr		<i>.</i> .			
	Appearance/Odor/	Joiour:	Colorless liquid with s	weet odor			
	Odour threshold		Not determined.				
	pH		Not determined.				
	Melting point/freezing point		Not determined.				
	Boiling Point:		57 °C (as Acetone)				
	Flash point: Evaporation rate		-18 °C (closed) Not determined.				
	Flammability (solid	(asp	Not applicable.				
	•	, gas) ability or explosive limits	Not determined.				
	Vapour pressure	admity of explosive infinits	Not determined.				
	Vapour density		Not determined.				

Relative Density: 0.8 (water=1)



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	Solubility: water solubility		Soluble	
	Partition coefficient: n-octa	anol/water	Not determined.	
	Auto-ignition temperature		Not determined.	
	Decomposition temperatu	re	Not determined.	
	Viscosity		Not determined.	
	Explosive properties		Not applicable.	
	Oxidising properties		Not applicable.	
9.2	Other information		Not applicable.	
3.2	No further relevant i	nformation ava	ilable	
		mormation ava		
SECTIO	ON 10. Stability and react	tivity		
	10.1 Reactivity:			
_	No further relevant i	nformation ava	ilable.	
10.2	Chemical stability:			
	•	l temperatures	and pressures.	
10.3	Stable under normal temperatures and pressures. 3 Possibility of hazardous reactions:			
	No dangerous reactions known.			
10.4	Condition to Avoid:			
	Excessive heat (high temperature), open flames, ignition source, and exposure to sunlight.			
10.5	Incompatible materials:	in tomporataro)		
10.0	Strong oxidizing ma	terials		
10.6	Hazardous Decomposition			
10.0	None under normal		torage and use	
SECTIO	ON 11. Toxicological info	rmation		
	DN 11. Toxicological info Information on toxicologic			
			Inhalation toxicity: rat LC50 75.8 mg/L	
	Information on toxicologica	al effects:	Inhalation toxicity: rat LC50 75.8 mg/L Oral toxicity; rat LD50 > 5000 mg/kg	
	Information on toxicologica	al effects:	Oral toxicity; rat LD50 > 5000 mg/kg	
	Information on toxicologica	al effects: Acetone;	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation:	al effects: Acetone; Based on ava	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation:	al effects: Acetone; Based on ava Eye Irrit. 2B;ł	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation:	al effects: Acetone; Based on ava Eye Irrit. 2B;I	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation.	
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	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava enotoxicity: Based on ava	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity:	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava enotoxicity: Based on ava Based on ava	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. H320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity:	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava enotoxicity: Based on ava Based on ava Repr. 2; H36	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity: Effects on or via lactation:	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava enotoxicity: Based on ava Based on ava Repr. 2; H36 Lack of data.	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. H320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met.	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity:	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava Based on ava Based on ava Repr. 2; H36 Lack of data.	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met.	
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	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity: Effects on or via lactation:	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava Based on ava Based on ava Repr. 2; H36 Lack of data. STOT SE 3; drowsiness of ity (repeated e	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. 1 Suspected of damaging fertility or the unborn child. bsure): H335 May cause respiratory irritation. H336 May cause r dizziness. xposure):	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity: Effects on or via lactation: Specific target organ toxic	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava Based on ava Based on ava Repr. 2; H36 Lack of data. STOT SE 3; drowsiness of stor RE 2;	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. 1 Suspected of damaging fertility or the unborn child. bsure): H335 May cause respiratory irritation. H336 May cause r dizziness. xposure): H373 May cause damage to organs through prolonged or	
	Information on toxicologica Acute toxicity: Skin corrosion/irritation: Eye damage/irritation: Sensitization to the respira Skin sensitization: Germ cell mutagenicity/Ge Carcinogenicity: Reproductive toxicity: Effects on or via lactation: Specific target organ toxic	al effects: Acetone; Based on ava Eye Irrit. 2B;I atory tract: Based on ava Based on ava Based on ava Based on ava Based on ava Based on ava Repr. 2; H36 Lack of data. STOT SE 3; drowsiness of sty (repeated e STOT RE 2; repeated exp	Oral toxicity; rat LD50 > 5000 mg/kg Dermal toxicity; rabbit LD50 > 5000 mg/kg ailable data, the classification criteria are not met. 1320 Causes eye irritation. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. ailable data, the classification criteria are not met. 1 Suspected of damaging fertility or the unborn child. bsure): H335 May cause respiratory irritation. H336 May cause r dizziness. xposure):	



	Printing date: January 7, 2019
ECTIO	DN 12. Ecological information
	Toxicity:
	Acetone:
	Fish toxicity: Fathead minnow; LC50/96H >100mg/L
122	Persistence and degradability:
12.2	No further relevant information available.
122	Bioaccumulative potential:
12.5	No further relevant information available.
40.4	
12.4	Mobility in soil:
40 5	No further relevant information available.
12.5	Results of PBT and vPvB assessment:
	Not applicable.
12.6	Other adverse effects:
	No further relevant information available.
FCTIC	DN 13. Disposal considerations
	Waste treatment methods:
	Dispose of contents/container to in accordance with local/regional/national/international
	regulations.
ECTIO	DN 14. Transport information
	UN number: 1090
14.2	UN proper shipping name: Acetone, solution
	Transport hazard class(es): 3 Flammable liquids.
	Packing group:
	Environmental hazards: No further relevant information available.
	Special precautions for user: Not applicable.
	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
	Not applicable.
ECTIC	DN 15. Regulatory informati
	Follow all regulations in your country.
FCTIC	DN 16. Other information
	This product is intended for use by dental professionals. (instrument/material)
	NFPA ratings for USA (scale 0-4)
	Acetone;
	3 Health = 1
	Fire = 3
	Reactivity = 0
	×

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