

		Printing date: September 3, 2019
SECTIO	ON 1. Identification of the substance or mixture	and of the supplier
1.1	Product identifier	
	Trade Name:	
	FL BOND II "ETCHANT"	
1.2	Relevant identified uses of the substance or mixture	and uses advised against
	Relevant identified uses: Dental material	ja na secondaria de la construcción
	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, Hig	nashiyama-ku Kyoto 605-0983 JAPAN
	Phone: +81-75-561-1112	
	Fax: +81-75-275-4795	
	Section in Charge: Quality Assurance Section	
1 1	<b>o i</b>	
1.4	Emergency Telephone Number +81-75-561-1112	
	+81-75-501-1112	
SECTIO		
2.1	GHS Classification	
	HEALTH HAZARDS	Ostanser (
	ACUTE TOXICITY-ORAL	Category 4
	SKIN CORROSION/IRRITATION	Category 1A
	EYE DAMAGE/IRRITATION	Category 1
	The thing without mention is out of a classification o	biect. Or cannot classify it
2.2	Label elements	
	SYMBOL	
	SIGNAL WORD Danger	
	HAZARD STATEMENTS	
	Harmful if swallowed	
	Causes severe skin burns and eye damage	e
	PRECAUTIONARY STATEMENTS	
	[Prevention]	
	Do not handle until all safety precautions h	ave been read and understood.
	Wear protective gloves and eye/face prote	ction.
	Do not breathe dust/mist/vapors.	
	Do not eat, drink or smoke when using this	product.
	Wash hands thoroughly after handling.	



[Response] IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. [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. SECTION 3. Composition/information on ingredients 3.1 Chemical characterization: Mixtures 3.2 Description: Mixture of substances listed below with nonhazardous additions. 3.3 Dangerous components: Phosphoric acid [Cas No.7664-38-2] 5-10 % Other component: Water Fumed silica Others 3.4 Additional information: For the wording of the listed risk phrases refer to section 2 SECTION 4. First-aid measures 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 This product is not flammable.



5.1	Extinguishing Media:			
	No further relevant information available.			
5.2	Special hazards arising from the substance or mixture:			
	No further relevant information available.			
5.3	Advice for firefighters:			
	No special measures required.			
SECTIO	ON 6. Accidental release measures			
6.1	Personal precautions, protective equipment and emergency procedures:			
0.1	Avoid contact with eyes and skin.			
6.2	Environmental Precautions:			
0.2				
	Send to approved treatment/disposal company or dispose according to local, state and			
0.0	federal regulations.			
6.3	Methods and material for containment and cleaning Up:			
0.4	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.			
SECTIO				
7.1	Precautions for safe handling:			
	Avoid contact with skin and eyes.			
	Avoid prolonged inhalation.			
7.2	Conditions for safe storage, including any incompatibilities:			
	Store under normal dry conditions. Keep containers closed.			
7.3	Specific end use(s):			
	No further relevant information available.			
SECTIO				
8.1	Control parameters:			
	Exposure limits: Phosphoric acid;			
	[ACGIH 2014] TLV-TWA 1 mg/m <sup>3</sup>			
	TLV-STEL 3 mg/m <sup>3</sup>			
	Silica;			
	[ACGIH 2011] TLV-TWA 10 mg/m <sup>3</sup>			
8.2	Exposure controls:			
	Respiratory Protection:			
	Dust mask			
	Skin Protection: Hand Protection			
	The glove material has to be impermeable and resistant to the product/ the	e		
	substance/ the preparation.			
	Due to missing tests no recommendation to the glove material can be given			
	for the product/ the preparation/the chemical mixture.			
	Selection of the glove material on consideration of the penetration times,			
	rates of diffusion and the degradation.			
L	Version Number			



## SAFETY DATA SHEET

<ul> <li>Material of gloves</li> <li>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As 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.</li> <li>Penetration time of glove material</li> </ul>					
	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 rubber, NBR				
	Eye Protection:	Safety goggles			
SECTIO	DN 9. Physical and	d chemical properties			
9.1		c physical and chemical p	properties		
	Appearance/Odor/C	Colour:	Odorless blue-colored jelly		
	Odour threshold		Not determined.		
	pН		Not determined.		
	Melting point/freezir	ng point	Not determined.		
	Boiling Point:		≈ 100 °C		
	Flash point:		Not determined.		
	Evaporation rate		Not determined.		
	Flammability (solid,	gas)	Not applicable.		
	Upper/lower flamma	ability or explosive limits	Not determined.		
	Vapour pressure		Not determined.		
	Vapour density		Not determined.		
	Relative Density:		$\approx$ 1.0 (water=1)		
	Solubility: water sol	•	Soluble		
	Partition coefficient:		Not determined.		
	Auto-ignition tempe		Not determined.		
	Decomposition tem	perature	Not determined.		
	Viscosity		Not determined.		
	Explosive properties		Not applicable.		
	Oxidising properties	6	Not applicable.		
9.2	Other information				
	ino further rel	evant information availab	le.		
SECTIO	ON 10. Stability and	l reactivity			
	Reactivity:				
	No further rele	evant information availab	le.		
10.2 Chemical stability:					
Stable under normal temperatures and pressures.					
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10.3 Possibility of hazardous r	eactions:						
No dangerous reac	tions known.						
10.4 Condition to Avoid:							
Sunlight, heat, cont	act with incompatible materials.						
10.5 Incompatible materials:							
Alkaline substance	, Metals						
10.6 Hazardous Decompositio	10.6 Hazardous Decomposition Products:						
None under normal conditions of storage and use.							
SECTION 11. Toxicological info	ermation						
11.1 Information on toxicologic	al effects:						
Acute toxicity :	Acute Tox. 4; H302 Harmful if swallowed.						
	Phosphoric acid; Oral rat LD50 1250 mg/kg						
	Dermal rabbit LD50 2740 mg/kg						
	Inhalation						
	rat LC50 > 0.85 mg/L (4H)						
Skin corrosion/irritation:	Skin Corr. 1A; H314 Causes severe skin burns and eye damage.						
Eye damage/irritation:	Eye Dam. 1; H314 Causes severe skin burns and eye damage.						
Sensitization to the respir	atory tract:						
	Based on available data, the classification criteria are not met.						
Skin sensitization:	Based on available data, the classification criteria are not met.						
Germ cell mutagenicity/G	enotoxicity:						
	Based on available data, the classification criteria are not met.						
Carcinogenicity:	Based on available data, the classification criteria are not met.						
Reproductive toxicity:	Based on available data, the classification criteria are not met.						
Effects on or via lactation	: Lack of data.						
Specific target organ toxic	city (single exposure):						
	Based on available data, the classification criteria are not met.						
Specific target organ toxic	city (repeated exposure):						
	Based on available data, the classification criteria are not met.						
Aspiration hazard:	Based on available data, the classification criteria are not met.						
SECTION 12. Ecological inform	ation						
12.1 Toxicity:							
	information available.						
12.2 Persistence and degrada	-						
	information available.						
12.3 Bioaccumulative potentia							
	information available.						
12.4 Mobility in soil:							
	information available.						
12.5 Results of PBT and vPvB	assessment:						
Not applicable.							
12.6 Other adverse effects:							
No further relevant	information available.						



SECTION 13. Disposal considerations				
13.1 Waste treatment methods: Dispose of contents/container to in accordance with local/regional/national/in regulations.	nternational			
SECTION 14. Transport information				
14.1 UN number:180514.2 UN proper shipping name:Phosphoric acid, solution14.3 Transport hazard class(es):8 Corrosive substances14.4 Packing group:III14.5 Environmental hazards:No further relevant information avails14.6 Special precautions for user:Warning: Corrosive substances.14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.				
SECTION 15. Regulatory informati				
Follow all regulations in your country.				
SECTION 16. Other information				
This product is intended for use by dental professionals. (instrument/material)				
NFPA ratings for USA (scale 0-4) Phosphoric acid;				