# This SDS packet was issued with item: 076362438

N/A

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	"Reviewed September 2010: No Changes"	

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Material Salety Date Sheet May be used to comply with OSHA's Hazard Communication Slandard. 29 OFR 1910.1200. Standard must be consulted to specific requirements.		ad		Section V	Reactivity Dela Unstable Stable	x	Conditions to Avoid			
DENTITY (As Used on Laber and Use) HY-Bond Zinc Oxide Eugenol Cement Po	Note: Blank spa	es are not parmitted. If any item is not do is available, the space must be marked to	oficalita, or no	Incompatibility	Materials to Avoid	<u></u>	L			
Beclion #		to available the space high of maximum (		Hazardours Baco	imposition or Byproc	UCIS	one known			
Manufacturar's Name	Emergency Tele	shorte Number		Hazardoun	May Occur		None known Conditions to Avoid		<u></u>	
Shofu Dental Corporation	1-800-535-	5053		Polymerization						
Address (Number, Street, City, State, and ZIP Code) 1225 Stone Drive	760-736-32	er fot information 177		<u> </u>	Will Not Occur	X	<u></u>			
San Marcos, CA 92078	Date Prepared	OCTOBER 1, 2002		Section Vi - Route(s) of Entr	- Health Hazar	d Deta		Skin?		ingestion?
	Signature of Pre	· · · · · · · · · · · · · · · · · · ·			Acute and Chronic		Possible	Skatt N	/A	N/A
Section II - Hazardova Ingredients/Identity In						N	lone knovn			
Hazardous Componenta (Specific Chamical Idani)ty; Commo	· · · · · · · · · · · · · · · · · · ·	ACGIH TLV Recommended	94 (optional)	·						
				Carchoganicity	: N	Pl	N/A	ARC Monor	veptu? N/A	OSHA Regulated? N/A
		<u> </u>		- <u>·</u>	·					
				Signa and Sym	ptome of Exposure	Cont	test with even we		rritation due	to Eoreign body reaction
		· · · · · · · · · · · · · · · · · · ·		<u> </u>		0001	LACE WILL EJES MA	y Laube I	5	to tottage body itaction
None				Medical Condit	lona			· · · · · · · · · · · · · · · · · · ·		
				Generally Appr	availed by Exposure	<u> </u>	one known			<u> </u>
				Emanancy an	d First Ald Procedur	-				
·										es: Wash w/flowing water.
				Consult physician if necessary. Skin contact: Wash with mild soap & water.						
					- Precautions alum in Case Materia		ate Handling and Use			······································
						er de Lien				
Section III - Physical/Chemical Characteristi	×			Wipe up a	and discard	โก ล	suitable containe	τ		
Boling Poins	N/A Specific Gravity	(H <sub>2</sub> O = 1)	N/A							
Vapor Pressura (mm Hg.)	Melting Point			Waste Dispos	el Method					
Vapor Density (AIH = 1)	N/A Evaporation Ba	• • • • • • • • • • • • • • • • • • •	N/A					with fed	leral, state,	and Local regulations.
	N/A (Butyl Acatete		N/A	Precaution# to	6e Teken in Handi	ing and	Storing			
Sckubility in Water Insoluble				Store in	a cool, dar	k are	a with lid tight	y fastene	 ≥d	
Appearance and Oday Fine, white, odorless	nouder			Other Precaul	lona	•				
Section IV Fire and Explosion Hezard Dat		······································		Handling	of product	exclu	sively by deutal	specialie	sts according	to instructions for use.
Fizsh Point (Method Used)	Flammahla Lim	tel	URL		li — Controt Me		5			
N/A Entinguisiting Media	L	N/A	l	Respiratory P	rotection (Specify Typ	xe) N	1/6			
N/A			· · · · · · · · · · · · · · · · · · ·	Ventilation	Local Exhaust				Special	······································
Special Fire Fighting Procedures N/A				N/A	Mechanical (Ge	wal	· · · · · · · · · · · · · · · · · · ·		Other	
				Protective Glo				Eye Pá	crection	
Unusus! Fire and Explosion Hazarda N/A				Diher Protect	N/A We Ciothing or Equit	mont			nay be	required
		, ····,		Work/Hygieni			N/A	·		
		·			Avc	id ey	re contact			
(Reproduce locally)		OS	IA 174, Sept. 1985					Page 2		# 080⊁a 1966-69]-328/437



OFOTI	ON 4 Identification of the substance or minture and of the sumption
	ON 1. Identification of the substance or mixture and of the supplier
1.1	Product identifier
	Trade Name:
	HY-Bond Temporary Cement A ZINC OXIDE EUGNOL CEMENT "POWDER"
1.2	Relevant identified uses of the substance or mixture and uses advised against
	Relevant identified uses: Dental material
	Uses advised against: No further data
1.3	Details of the supplier of the safety date sheet
1.5	
	Company/Undertaking identification
	Manufacturer's Name: SHOFU DENTAL CORPORATION
	Address: 1225 Stone Drive, San Marcos, CA 92078 USA
	Toll Free: 1-800-827-4638
	Phone: 760-736-3277
	Fax: 760-736-3276
	E-Mail: customer-service@shofu.com
	Section in Charge: Quality Management & Regulatory Affairs
1.4	
	For emergencies only. Call CHEMTREC: +1 703-741-5970 / 1-800-424-9300 (24 hours)
SECTIO	ON 2. Hazards identification
2.1	GHS Classification
2.1	
	HEALTH HAZARDS
	ACUTE TOXICITY-INHALATION(DUST, MIST) Category 4
	SKIN CORROSION/IRRITATION Category 1
	EYE DAMAGE/IRRITATION Category 1
	SENSITIZATION-RESPIRATORY Category 1
	SENSITIZATION-SKIN Category 1
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)
	Category 1 (systemic toxicity)
	Category 2 (bone)
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)
	Category 1(lung)
	ENVIRONMENTAL HAZARD
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-ACUTE HAZARD
	HAZARDOUS TO THE AQUATIC ENVIRONMENT-CHRONIC HAZARD
	Category 3
	The thing without mention is out of a classification object. Or cannot classify it.
2.2	Label elements
	SYMBOL
	$\vee$ $\vee$ $\vee$
	GHS05 GHS07 GHS08

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SIGNA	AL WORD Danger
HAZAI	RD STATEMENTS
	Causes severe skin burns and eye damage
	May cause an allergic skin reaction
	Harmful if inhaled
	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	Causes damage to organs (systemic toxicity)
	May cause damage to organs (bone)
	Causes damage to organs through prolonged or repeated exposure (lung)
	Toxic to aquatic life.
	Harmful to aquatic life with long lasting effects
PREC	AUTIONARY STATEMENTS
	[Prevention]
	Obtain special instruction before use.
	Do not handle until all safety precautions have been read and understood.
	Do not breathe dust/fume/gas/mist/vapours/spray.
	Wash hands thoroughly after handling.
	Do not eat, drink or smoke when using this product.
	Use only outdoors or in a well-ventilated area. Avoid release to the environment.
	Wear protective gloves/protective clothing/eye protection/face protection.
	[Response]
	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	IF ON SKIN or hair: Take off immediately all contaminated clothing. Rinse skin with water
	or shower.
	If skin irritation or rash occurs: Get medical advice/attention.
	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
	Get medical advice/attention if you feel unwell.
	Collect spillage.
	[Storage]
	Store in a cool and dark area.
	[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
SECTION 5.	composition/mormation on ingredients

3.1 Chemical characterization: Mixtures

3.2 Description: Mixture of substances listed below with nonhazardous additions.



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3.3	Dangerous components:								
	Zinc Oxide [Cas No. 1314-13-2] 60-70 %								
	Rosin [Cas No. 8050-09-7] 20-30 %								
	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.								
SECTIO									
5.1	Extinguishing Media:								
	This product is not flammable.								
5.2	Special hazards arising from the substance or mixture:								
5.0	No further relevant information available.								
5.3	5								
	No special measures required.								
SECTIO	ON 6. Accidental release measures								
6.1	Personal precautions, protective equipment and emergency procedures:								
	Avoid contact with eyes and skin. Do not breathe dust.								
6.2	Environmental Precautions:								
	Send to approved treatment/disposal company or dispose according to local, state and								
	federal regulations.								
6.3	Methods and material for containment and cleaning Up:								
	Wipe up and discard in a suitable 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	ON 7. Handling and storage								
7.1	Precautions for safe handling:								
	Handle in a well ventilated area. Avoid prolonged inhalation.								
7.2	Conditions for safe storage, including any incompatibilities:								
	Store in a cool and dry conditions with lid tightly closed.								
L	, , ,								



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7.3	Specific end use	(s):				
	No further	relevant informatio	on availabl	ə.		
SECTIO		controls/persona	al protect	ion		
8.1	Control paramete					
	Exposure limits	Zinc Oxide;	<b>TIN ( T) A (</b>	•		
		[ACGIH 2013]	TLV-TW		$2 \text{ mg/m}^3$ (R)	
8.2	Exposure control		TLV-STE	L	10 mg/m <sup>3</sup> (R)	
0.2	Exposure control Respiratory Prote					
	Respiratory 1100	Dust mask				
	Skin Protection:	Hand Protecti	on			
				o be im	permeable and resistant to the	e product/ the
		substance/ the				
			• •		nendation to the glove materia	l can be given
			-		the chemical mixture.	0
		Selection of th	ne glove m	aterial o	on consideration of the penetra	ation times,
		rates of diffusi	ion and th	e degra	dation.	
		<ul> <li>Material of g</li> </ul>	gloves			
		Т	he selection	on of the	suitable gloves does not only	<sup>,</sup> depend on
					o on further marks of quality a	
					nufacturer. As the product is	· ·
					es, the resistance of the glove	
					advance and has therefore to	be checked
			rior to the			
		· Penetration	0			
					ough time has to be found out	-
					protective gloves and has to	
		the following			a maximum of 15 minutes glo	ves made or
			utyl rubbe			
			itrile rubbe			
	Eye Protection:	Safety goggle		, 1001		
			-			
SECTIO	ON 9. Physical	and chemical pro	perti <u>es</u>			
9.1		asic physical and c		ropertie	3	
	Appearance/Odc	or/Colour:		Yellowi	sh white odorless powder	
	Odour threshold			Not det	ermined.	
	рН			Not det	ermined.	
Melting point/freezing point Not determin						
	5				ermined.	
	Flash point: Not determined.					
	Evaporation rate				ermined.	
	Flammability (sol	•			blicable.	
		mability or explosi	ve limits		ermined.	
	Vapour pressure			Not det	ermined.	



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				Printing date: August 26, 2019				
Vapour density		Not dete	ermined.					
Relative Density:		≈ 2.3 (w	ater=1)					
Solubility: water so	lubility	Insoluble	э.					
Partition coefficient	: n-octanol/water	Not dete	ermined.					
Auto-ignition tempe	erature	Not dete	ermined.					
Decomposition terr	perature	Not dete	ermined.					
Viscosity		Not dete	ermined.					
Explosive propertie	S	Not app	licable.					
Oxidising propertie	S	Not app	licable.					
9.2 Other information								
No further re	levant information a	vailable.						
SECTION 10. Stability an	d reactivity							
10.1 Reactivity:	levant information a	voilabla						
	levant information a	valiable.						
10.2 Chemical stability:	normal tomporature	a and proceurs						
10.3 Possibility of hazar	normal temperature	es and pressure	5.					
	is reactions known.							
10.4 Condition to Avoid:								
	sunlight and high ter	moerature						
10.5 Incompatible mater		nperature.						
	levant information a	vailable						
		vallable.						
	10.6 Hazardous Decomposition Products: None under normal conditions of storage and use.							
SECTION 11. Toxicologic	al information							
11.1 Information on toxi	cological effects:							
Acute toxicity:		4; H332 Harmfu	ul if inhaled.					
	Zinc oxide;							
	0	ral	rat LD50	> 5000 mg/kg				
	D	ermal	rabbit LD50	> 5000 mg/kg				
		halation (dust)	rat LC50	> 5.7 mg/L				
		ral	rat LD50	7800 mg/kg				
		ermal	rabbit LD50	> 2500 mg/kg				
Skin corrosion/irrita				s and eye damage.				
Eye damage/irritation: Eye Dam.1; H314 Causes severe skin burns and eye damage.								
Sensitization to the respiratory tract:								
Resp. Sens.1; H334 May cause allergy or asthma symptoms or								
	-	lifficulties if inha						
Skin sensitization: Skin Sens.1 ; H317 May cause an allergic skin reaction.								
Germ cell mutagenicity/Genotoxicity:								
				criteria are not met.				
Carcinogenicity:				criteria are not met.				
Reproductive toxic	•		ne classification	criteria are not met.				
Effects on or via la	ctation: Lack of dat	a.						



Specific target organ toxicity (single exposure): STOT SE 1; H370 Causes damage to organs (systemic toxicity). STOT SE 2; H371 May cause damage to organs (bone). Specific target organ toxicity (repeated exposure): STOT RE 1; H372 Causes damage to organs through prolonged or repeated exposure (lung). Aspiration hazard: Based on available data, the classification criteria are not met. **SECTION 12. Ecological information** 12.1 Toxicity: No further relevant information available. 12.2 Persistence and degradability: No further relevant information available. 12.3 Bioaccumulative potential: No further relevant information available. 12.4 Mobility in soil: 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. **SECTION 13.** Disposal considerations 13.1 Waste treatment methods: Dispose of contents/container to in accordance with local/regional/national/international regulations. **SECTION 14.** Transport information 14.1 UN number: 3077 14.2 UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. 14.3 Transport hazard class(es): 9 14.4 Packing group: Ш 14.5 Environmental hazards: Yes 14.6 Special precautions for user: Not applicable. 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) Relevant phrases: H314 Causes severe skin burns and eye damage. May cause an allergic skin reaction. H317

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- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H370 Causes damage to organs (systemic toxicity).
- H371 May cause damage to organs (bone).
- H372 Causes damage to organs through prolonged or repeated exposure (lung).
- H401 Toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative