

SAFETY DATA SHEET

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

1.1 Product Name:

HY-Bond Temporary Cement A ZINC OXIDE EUGENOL CEMENT "POWDER "

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: 2014.9.29

1.3 Emergency Telephone Number

+81-75-561-1112

2. Hazards identification

GHS CLASSIFICATION

PHYSICAL HAZARDS	FLAMMABLE SOLIDS	Not Classified
	PYROPHORIC SOLIDS	Not Classified
	SELF-HEATING SUBSTANCES AND MIXTURES	Not Classified
	SUBSTANCES AND MIXTURES WHICH,IN CONTACT WITH WATER,EMIT FLAMMABLE GASAS	Not Classified
HEALTH HAZARDS	OXIDIZING SOLIDS	Not Classified
	ACUTE TOXICITY-ORAL	Not Classified
	ACUTE TOXICITY-DERMAL	Not Classified
	ACUTE TOXICITY-INHALATION(DUST)	Category 4
	SKIN CORROSION/IRRITATION	Category 1A
	EYE DAMAGE/IRRITATION	Category 1
	SENSITIZATION-RESPIRATORY	Category 1
	SENSITIZATION-SKIN	Category 1
	GERM CELL MUTAGENICITY	Not Classified
	CARCINOGENICITY	Category 1A
	TOXIC TO REPRODUCTION	Not Classified
	SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE)	Category 1 (systemic toxicity)
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE)	Category 1(lung) Category 2(bone)	

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

LABEL ELEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENTS

Causes severe skin burns and eye damage
 May cause an allergic skin reaction
 Causes serious eye damage
 Harmful if inhaled
 May cause allergy or asthma symptoms or breathing difficulties if inhaled

SAFETY DATA SHEET

Causes damage to organs(systemic toxicity)
 Causes damage to organs through prolonged or repeated exposure (lung)
 Warning May cause damage to organs through prolonged or repeated exposure(bone)

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 breathe dust.

Do not eat, drink or smoke when using this product.

In case of inadequate ventilation wear respiratory protection.

Contaminated work clothing should not be allowed out of the workplace.

Wash hands thoroughly after handling.

[Response]

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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 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 SWALLOWED: Rinse mouth. Do NOT induce vomiting.

[Storage]

Store in a cool and dark area.

[Disposal]

Dispose of contents and container in accordance with regulation.

3.Composition/information on ingredients

<i>Composition</i>	Content(%)
Zinc Oxide (ZnO) [Cas No.1314-13-2]	> 60
Rosin	> 25
Others	< 10

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 and seek medical advice 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

This product is non-flammable.

SAFETY DATA SHEET

<i>5.1 Suitable Extinguishing Media:</i>	N/A
<i>5.2 Extinguishing Media Should not be used :</i>	N/A
<i>5.3 Special Exposure Hazards Arising:</i>	N/A
<i>5.4 Special Protective Equipment:</i>	N/A

6. Accidental release measures

<i>6.1 Personal Precautions:</i>	See section 8. Do not breath dust.
<i>6.2 Environmental Precautions:</i>	Send to approved treatment/disposal company or dispose according to local, state and federal regulations.
<i>6.3 Methods for Cleaning Up:</i>	Wipe up and discard in a suitable container.

7. Handling and storage

<i>7.1 Handling:</i>	Handle in a well ventilated area. Avoid prolonged inhalation.
<i>7.2 Storage:</i>	Store in a cool and dry conditions with lid tightly closed.

8. Exposure controls/personal protection

<i>8.1 Exposure limits:</i>	Chemical name	ACGIH TLV.
	Zinc Oxide	2 mg/m ³ (TWA)
<i>8.2 Respiratory Protection:</i>	Dust mask(may be)	
<i>8.3 Hand Protection:</i>	Latex or rubber gloves	
<i>8.4 Eye Protection:</i>	Safety goggles or eye protection.	
<i>8.5 Skin Protection:</i>	Not required. General protective overalls.	

9. Physical and chemical properties

<i>9.1 Appearance/Odour/pH</i>	Yellowish white odorless powder
<i>9.2 Boiling Point/Boiling Range:</i>	N/D
<i>9.3 Melting Point/Melting Range:</i>	N/D
<i>9.4 Flash point:</i>	N/D
<i>9.5 Auto flammability:</i>	N/D
<i>9.6 Explosive Properties:</i>	N/D
<i>9.7 Oxidizing Properties:</i>	N/D
<i>9.8 Vapour Pressure:</i>	N/D
<i>9.9 Relative Density:</i>	≅2.3
<i>9.10 Solubility: water solubility</i>	Insoluble

10. Stability and reactivity

<i>10.1 Stability:</i>	Stable under recommended storage conditions.
<i>10.2 Reactivity:</i>	N/A
<i>10.3 Condition to avoid:</i>	Avoid direct sunlight and high temperature.
<i>10.4 Materials to avoid:</i>	N/A

11. Toxicological information

Zinc Oxide (ZnO)	Oral	rat	LD50 >5000mg/kg
	Inhalation (dust)	rat	LC50 >5.7mg/kg

12. Ecological information

DECOMPOSITION : No data available.

SAFETY DATA SHEET

PERSISTENCE : No data available.

AQUATIC TOXICITY : No data available.

13. Disposal considerations

Dispose of contents/container to in accordance with local/regional/national/international regulations.

14. Transport information

Hazard class or division: Not classified as hazardous.

AIR : Transport in accordance with ICAO·IATA-DGR

UN Number : Not applicable

Protect from direct sun light in transportation, and confirm the container does not leak.

Carefully load it onto a transporter without dropping, overturning or damaging so that it will stably stays on the transporter.

15. Regulatory information

Follow all regulations in your country.

16. Other information

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