

# MATERIAL SAFETY DATA SHEET

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

### 1.1 Product Name:

**HY- BOND TEMPORARY CEMENT SOFT " POWDER "**

### 1.2 Company /Undertaking identification

Manufacturer's Name: **SHOFU INC.**

Address: 11 Kamitakamatsu- cho, Fukunine, Higashiyama- ku, Kyoto 605- 0983 ,JAPAN

Phone: +81- 75- 561- 1112

Fax: +81- 75- 561- 2273

Section in Charge: Quality Assurance Section

Date Prepared 2013.1.11

### 1.3 Emergency Telephone Number

+81- 75- 561- 1112

## 2 Hazards identification

### GHS CLASSIFICATION

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

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May cause causing cancer  
 Causes damage to organs(systemic toxicity)  
 May causes damage to organs(respiratory system)  
 Causes damage to organs through prolonged or repeated exposure(lung)  
 Warning May cause damage to organs through prolonged or  
 repeated exposure(respiratory system,kidney,bone)

## PRECAUTIONARY 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.

Do not breathe dust.

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

Use personal protective equipment as required.

Wash hands thoroughly after handling.

[Response]

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

Get medical advice/attention if you feel unwell.

Wash contaminated clothing before reuse.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water /shower.

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

### Composition

Zinc Oxide (ZnO) [Cas No.1314-13-2] > 70%

Magnesia(MgO) [Cas No.1309-48-4]

Silicon Oxide(SiO<sub>2</sub>) [Cas No.7631-86-9]

Others

## 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.

5.1 Suitable Extinguishing Media: N/A

5.2 Extinguishing Media Should not be used: N/A

## MATERIAL SAFETY DATA SHEET

<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 <sup>3</sup> (TWA)
	Magnesium Oxide	10 mg/m <sup>3</sup> (TWA)
	Silicon Oxide	0.1 mg/m <sup>3</sup> (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>	White or Pink, odourless 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>	≈ 2.5
<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
Magnesia(MgO)	TCLo(ihl, human): 400mg/m <sup>3</sup> (38MKAJ 2A, 1745, 1981)		

# MATERIAL SAFETY DATA SHEET

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## 12. Ecological information

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DECOMPOSITION : No data available.

PERSISTENCE : No data available.

AQUATIC TOXICITY : No data available.

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## 13. Disposal considerations

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

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## 14. Transport information

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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.

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## 15. Regulatory information

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Follow all regulations in your country.

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## 16. Other information

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