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 GASES: Not Classified

OXIDIZING SOLIDS: Not Classified

HEALTH HAZARDS
- 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) (systemic toxicity): Category 1
- SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE) (lung): Category 1(lung)
- SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE) (bone): 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

<table>
<thead>
<tr>
<th>Composition</th>
<th>Content(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide (ZnO) [Cas No.1314-13-2]</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>Rosin</td>
<td>&gt; 25</td>
</tr>
<tr>
<td>Others</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>

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 gose out, call a POISON CENTER to doctor.

5. Fire-fighting measures

This product is non-flammable.
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5.1 Suitable Extinguishing Media: N/A
5.2 Extinguishing Media Should not be used : N/A
5.3 Special Exposure Hazards Arising: N/A
5.4 Special Protective Equipment: N/A

6. Accidental release measures

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

7. Handling and storage

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

8. Exposure controls/personal protection

8.1 Exposure limits: Chemical name ACGIH TLV.
Zinc Oxide 2 mg/m\(^3\) (TWA)

8.2 Respiratory Protection: Dust mask (may be)
8.3 Hand Protection: Latex or rubber gloves
8.4 Eye Protection: Safety goggles or eye protection.
8.5 Skin Protection: Not required. General protective overalls.

9. Physical and chemical properties

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

10. Stability and reactivity

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

11. Toxicological information

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Route</th>
<th>Species</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Oxide (ZnO)</td>
<td>Oral</td>
<td>rat</td>
<td>&gt;5000mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inhalation (dust)</td>
<td>rat</td>
<td></td>
<td>&gt;5.7mg/kg</td>
</tr>
</tbody>
</table>

12. Ecological information

DECOMPOSITION: No data available.
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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)