SAFETY DATA SHEET

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

1.1 Product Name:
HY-Bond Zinc Phosphate Cement “LIQUID”

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: 2014.9.25

1.3 Emergency Telephone Number
+81-75-561-1112

2. Hazards identification

<table>
<thead>
<tr>
<th>GHS CLASSIFICATION</th>
<th>PHYSICAL HAZARDS</th>
<th>HEALTH HAZARDS</th>
<th>ENVIRONMENTAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SELF-REACTIVE SUBSTANCES AND MIXTURES</td>
<td>SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GAS AS</td>
<td>HAZARDOUS TO THE AQUATIC</td>
</tr>
<tr>
<td></td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>Category 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACUTE TOXICITY-ORAL</td>
<td>Category 4</td>
<td>HAZARDOUS TO THE AQUATIC</td>
</tr>
<tr>
<td></td>
<td>ACUTE TOXICITY-DERMAL</td>
<td>Not Classified</td>
<td>Category 2</td>
</tr>
<tr>
<td></td>
<td>ACUTE TOXICITY-INHALATION(DUST)</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACUTE TOXICITY-INHALATION(MIST)</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SKIN CORROSION/IRRITATION</td>
<td>Category 1A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EYE DAMAGE/IRRITATION</td>
<td>Category 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SENSITIZATION–SKIN</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CARCINOGENICITY</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOXIC TO REPRODUCTION</td>
<td>Not Classified</td>
<td></td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN SYSTEMIC</td>
<td>Category 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN SYSTEMIC</td>
<td>Toxicity (single exposure)</td>
<td>Category 3</td>
<td></td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN SYSTEMIC</td>
<td>(systemic toxicity)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN SYSTEMIC</td>
<td>(respiratory tract irritation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN SYSTEMIC</td>
<td>division 2 (lung)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOXICITY (REPEATED EXPOSURE)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. LABEL ELEMENTS

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>SIGNAL WORD</th>
<th>HAZARD STATEMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Danger</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Causes serious eye damage</td>
</tr>
</tbody>
</table>

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May cause respiratory irritation
Causes damage to organs (systemic toxicity)
Causes damage to organs through prolonged or repeated exposure (lung)
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

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/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Keep container tightly closed.
Wash hands thoroughly after handling.
Avoid release to the environment.

[Response]
If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.
If you feel un-well, get medical advice/attention.
Take of immediately contaminated clothing.
Wash contaminated clothing before reuse.
Collect spillage.
If in eyes, rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do.
If eye irritation persists, get medical advice/attention.
If swallowed, rinse mouth. Get medical advice/attention.

[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>Hazard type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid [Cas No.7664-38-2]</td>
<td>≧ 55 %</td>
</tr>
<tr>
<td>Aluminium hydroxide</td>
<td>≧ 10 %</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>&lt; 5 %</td>
</tr>
<tr>
<td>Water</td>
<td>&gt; 30 %</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. Get medical advice/attention.

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.

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. Avoid contact with eyes and skin.
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: Avoid contact with skin and eyes. Avoid inhaling and contact with eyes and skin. Local dust extraction measures are recommended.

8. Exposure controls/personal protection

8.1 Exposure limits: ACGIH TLV. Phosphoric acid 1mg/m³ (TWA)
8.2 Respiratory Protection: Local exhaust
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 Odourless, color less liquid
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: 1.59
9.10 Solubility: water solubility Soluble
9.11 pH: 1～3 (as a 2% solution)

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

Phosphoric acid
SAFETY DATA SHEET

Oral rat LD50 1250 mg/kg
rabit LD50 2740 mg/kg
Zinc oxide Oral rat LD50 >5000 mg/kg
Inhalation (Dust,Mist) rat LC50 >5.7 mg/L

12.Ecological information
The product should not be allowed to drain into sewers.

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

14.Transport information
UN/ID No. 1805, ( Haz Class 8 ・Pack Group Ⅲ) as Phosphoric acid, solution

15.Regulatory information
Follow all regulations in your country.

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