SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name: Zinc Cement Powder

1.2. Relevant identified uses of the substance or mixture and uses advised against
Description: Dental repair material.

1.3. Details of the supplier of the safety data sheet
Company: Advanced Healthcare Ltd
Address: Units 2-4 Leavers Estate, Chiddingstone Causeway, Tonbridge, Kent, TN11 8JU, UK
Web: www.ahl.uk.com
Telephone: +44 (0) 1892 870500 (Use for Emergency also)
Fax: +44 (0)1892 870482
Email: sales@ahl.uk.com
Email address of the competent person: sales@ahl.uk.com

1.4. Emergency telephone number
Emergency telephone number: +44(0)1892870500
(8.00 am - 4.30 pm Mon - Fri)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
2.1.2. Classification - EC 1272/2008
Aquatic Chronic 1: H410;

2.2. Label elements
Hazard pictograms
Signal Word: Warning
Hazard Statement: Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention
P273 - Avoid release to the environment.
Precautionary Statement: Response
P391 - Collect spillage.
Zinc Cement Powder

2.3. Other hazards

Other hazards

No Significant Hazard.

Further information

Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct physical contact with the human body, are exempted from the provisions of regulation (EC) No 1272/2008 (CLP/GHS) usually if they are in the finished state and intended for the final user.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH Registration Number</th>
<th>Conc. (%w/w)</th>
<th>Classification</th>
<th>M-factor.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Magnesium Oxide</td>
<td></td>
<td>1309-48-4</td>
<td>215-171-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>030-013-00-7</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td></td>
<td></td>
<td>Aquatic Acute 1: H400;</td>
<td>H410;</td>
</tr>
<tr>
<td>Heavy Magnesium Oxide</td>
<td></td>
<td>1309-48-4</td>
<td>215-171-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.

Eye contact

Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Skin contact

Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Ingestion

DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

May cause irritation to mucous membranes.

Eye contact

May cause irritation to eyes.

Skin contact

May cause irritation to skin.

Ingestion

May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection.
Zinc Cement Powder

6.2. Environmental precautions
Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up
Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections
SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)
Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

<table>
<thead>
<tr>
<th>Substance</th>
<th>WEL 8-hr limit ppm:</th>
<th>WEL 8-hr limit mg/m³:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Magnesium Oxide</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>(Magnesium oxide (as Mg))</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEL 15 min limit ppm:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 8-hr limit mg/m³ total</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>inhalable dust:</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>WEL 8-hr limit mg/m³ total</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>respirable dust:</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

- Wear protective clothing.
- Approved safety goggles.
- Chemical resistant gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Zinc Cement Powder

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>White/Yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Fat Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
</tr>
</tbody>
</table>

9.2. Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductivity</td>
<td>No data available</td>
</tr>
<tr>
<td>Surface tension</td>
<td>No data available</td>
</tr>
<tr>
<td>Gas group</td>
<td>No data available</td>
</tr>
<tr>
<td>Benzene Content</td>
<td>No data available</td>
</tr>
<tr>
<td>Lead content</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC (Volatile organic compounds)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data is available on this product.

10.4. Conditions to avoid

Keep away from water.

10.5. Incompatible materials

No data is available on this product.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data available.
Zinc Cement Powder

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>May cause irritation to mucous membranes.</td>
</tr>
</tbody>
</table>

11.1.4. Toxicological Information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Magnesium Oxide</td>
<td>Oral Rat LD50: 3.8 mg/kg</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Magnesium Oxide</td>
<td>Daphnia EC50/48h: 10.0000 mg/l</td>
</tr>
<tr>
<td></td>
<td>Fish LC50/96h: 10.0000 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

Disposal methods

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)
## Zinc Cement Powder

### 14.3. Transport hazard class(es)
- The product is not classified as dangerous for carriage.

### 14.4. Packing group
- The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards
- The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user
- The product is not classified as dangerous for carriage.
- No data available.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- The product is not classified as dangerous for carriage.
- The product is not classified as dangerous for carriage.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- No data is available on this product.

#### 15.2. Chemical safety assessment
- No data available.

### SECTION 16: Other information

#### Other information

<table>
<thead>
<tr>
<th>Revision</th>
<th>Text of Hazard Statements in Section 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>This document differs from the previous version in the following areas:</td>
<td>9 - 9.1. Information on basic physical and chemical properties (Solubility).</td>
</tr>
<tr>
<td>Aquatic Acute 1: H400 - Very toxic to aquatic life.</td>
<td>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Further information</th>
</tr>
</thead>
<tbody>
<tr>
<td>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</td>
</tr>
</tbody>
</table>