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

1.1. Product identifier

Product name: Root Canal Sealant (Zinc Oxide Eugenol) Base Paste

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

1.4. Emergency telephone number

Emergency telephone number: +44(0)1892870500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification

- N: R50/53
- 67/548/EEC
- Symbols: N: Dangerous for the environment.

Main hazards

- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.1.2. Classification - EC

- Aquatic Acute 1: H400
- Aquatic Chronic 1: H410

1272/2008

2.2. Label elements

Hazard pictograms

Signal Word: Warning
Hazard Statement: Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statement:

Prevention: P273 - Avoid release to the environment.
Response: P391 - Collect spillage.
Disposal: P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards: No data available.
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

3.1. Substances

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>Zinc oxide</td>
<td>030-013-00-7</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td></td>
<td>60 - 70%; N; R50/53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Softisan 649 (Bis diglyceryl Polyacyladipate-2)</td>
<td>8249-33-0</td>
<td></td>
<td></td>
<td></td>
<td>1 - 10%</td>
<td>Aquatic Acute 1: H400; Aquatic Chronic 1: H410;</td>
<td></td>
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EC 1272/2008

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<td></td>
<td>1 - 10%</td>
<td>Aquatic Acute 1: H400; Aquatic Chronic 1: H410;</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.

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

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

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

Irritating 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

No data available.

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

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use appropriate personal protective equipment.

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

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Hand protection

Chemical resistant gloves (PVC).

Respiratory protection

Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Off white</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
</tbody>
</table>

9.2. Other information

No data available.

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


10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information
**11.1.4. Toxicological Information**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral Rat LD50: 15000 mg/kg</th>
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</table>

**SECTION 12: Ecological information**

**12.1. Toxicity**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Daphnia EC50/48h: 1000 mg/l</th>
<th>Fish LC50/96h: 1.1 mg/l</th>
</tr>
</thead>
</table>

**12.2. Persistence and degradability**

No data is available on this product.

**12.3. Bioaccumulative potential**

No data is available on this product.

**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**

EWC. 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**

**Hazard pictograms**

14.1. UN number

UN1436

14.2. UN proper shipping name

ZINC POWDER

14.3. Transport hazard class(es)

- ADR/RID: 4.3
- Subsidiary risk: 4.2
- IMDG: 4.3
- Subsidiary risk: 4.2
- IATA: 4.3
- Subsidiary risk: 4.2

14.4. Packing group

Packing group III

14.5. Environmental hazards
14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Environmental hazards</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>ADR/RID</th>
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<tbody>
<tr>
<td>Hazard ID</td>
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<td>Tunnel Category</td>
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<table>
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<tr>
<th>IMDG</th>
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<tr>
<td>EmS Code</td>
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<table>
<thead>
<tr>
<th>IATA</th>
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<tbody>
<tr>
<td>Packing Instruction (Cargo)</td>
</tr>
<tr>
<td>Maximum quantity</td>
</tr>
<tr>
<td>Packing Instruction (Passenger)</td>
</tr>
<tr>
<td>Maximum quantity</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

SECTION 16: Other information

Other information

Text of risk phrases in Section 3
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Text of Hazard Statements in Section 3
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.