SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Anhydrous Zinc Polycarboxylate Cement

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

1.1. Product identifier
Product name: Anhydrous Zinc Polycarboxylate Cement

1.2. Relevant identified uses of the substance or mixture and uses advised against
[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU20] Health services; [PC19] Intermediate; [PROC5] Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact);

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 - 67/548/EEC
Xn: R22 Xi: R36/38 N: R50/53
Main hazards: Harmful if swallowed. Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.1.2. Classification - EC 1272/2008
Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

2.2. Label elements
Hazard pictograms
Signal Word: Warning
Anhydrous Zinc Polycarboxylate Cement

2.2. Label elements

Precautionary Statement: Prevention

P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water/. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see on this label).
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P331 - Collect spillage.

Precautionary Statement: Disposal

P501 - Dispose of contents/container to

2.3. Other hazards

Other hazards

R22 - Harmful if swallowed. R36/38 - Irritating to eyes and skin.

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

<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. (%)</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>215-222-6</td>
<td></td>
<td>70 - 86%</td>
<td>N; R50/53</td>
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</tr>
<tr>
<td>Acrylic Acid Polymer</td>
<td></td>
<td>9003-01-4</td>
<td></td>
<td></td>
<td>1 - 10%</td>
<td>Xn; R22 Xi; R36/38</td>
<td></td>
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<tr>
<td>Stannous Fluoride</td>
<td>7783-47-3</td>
<td>231-099-3</td>
<td></td>
<td></td>
<td>1 - 10%</td>
<td>Xn; R22 Xi; R36/38</td>
<td></td>
</tr>
</tbody>
</table>

EC 1272/2008

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
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<tbody>
<tr>
<td>Zinc oxide</td>
<td>030-013-00-7</td>
<td>1314-13-2</td>
<td>215-222-6</td>
<td></td>
<td>70 - 86%</td>
<td>Aquatic Acute 1: H400; Aquatic Chronic 1: H410;</td>
<td></td>
</tr>
<tr>
<td>Acrylic Acid Polymer</td>
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<td></td>
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<td>Stannous Fluoride</td>
<td>7783-47-3</td>
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<td></td>
<td>1 - 10%</td>
<td>Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319;</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

Remove contaminated clothing. 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

May cause irritation to eyes.

Skin contact

May cause irritation to skin.
Anhydrous Zinc Polycarboxylate Cement

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

Ingestion
May cause irritation to mucous membranes.

4.3. Indication of any immediate medical attention and special treatment needed
None.

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.

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
Clean spillage area thoroughly with plenty of water. Sweep up. Transfer to suitable, labelled containers for disposal.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Adopt best Manual Handling considerations when handling, carrying and dispensing. 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 protective clothing.

Eye / face protection
Approved safety goggles. In case of splashing, wear:

Skin protection - Hand protection
Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Colour</th>
<th>Odour</th>
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<tbody>
<tr>
<td>Powder</td>
<td>White/Off white</td>
<td>Odourless</td>
</tr>
</tbody>
</table>
### Anhydrous Zinc Polycarboxylate Cement

**SECTION 10: Stability and reactivity**

10.1. Reactivity
- No data is available on this product.

10.2. Chemical stability
- Stable under normal conditions.

10.3. Possibility of hazardous reactions
- No data available.

10.4. Conditions to avoid
- Heat, Moisture.

10.5. Incompatible materials
- Strong acids, Strong bases.

10.6. Hazardous decomposition products
- No data is available on this product.

**SECTION 11: Toxicological information**

11.1.4. Toxicological Information
- No data available

**SECTION 12: Ecological information**

12.1. Toxicity
- No data available

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 available on this product.

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**

**Hazard pictograms**
- [Image of hazard pictograms]
### Anhydrous Zinc Polycarboxylate Cement

14.1. UN number
- **UN3077**

14.2. UN proper shipping name
- ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Subsidiary risk</th>
<th>IMDG</th>
<th>Subsidiary risk</th>
<th>IATA</th>
<th>Subsidiary risk</th>
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<td>ADR/RID</td>
<td>9</td>
<td>IMDG</td>
<td>9</td>
<td>IATA</td>
<td>9</td>
</tr>
</tbody>
</table>

14.4. Packing group
- **Packing group III**

14.5. Environmental hazards
- **Environmental hazards**: Yes
- **Marine pollutant**: Yes

14.6. Special precautions for user
- **Environmental precautions.**

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>
<th>Hazard ID</th>
<th>Tunnel Category</th>
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<td>ADR/RID</td>
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<td>(E)</td>
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<table>
<thead>
<tr>
<th>IMDG</th>
<th>EmS Code</th>
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<tbody>
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<td>IMDG</td>
<td>F-A S-F</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>IATA</th>
<th>Packing Instruction (Cargo)</th>
<th>Maximum quantity</th>
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</thead>
<tbody>
<tr>
<td>IATA</td>
<td>956</td>
<td>400 kg</td>
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<tr>
<td>IATA</td>
<td>Packung Instruction (Passenger)</td>
<td>956</td>
</tr>
<tr>
<td>IATA</td>
<td>Maximum quantity</td>
<td>400 kg</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.**

15.2. Chemical safety assessment
- **No data is available on this product.**

### SECTION 16: Other information

**Other information**

- This document differs from the previous version in the following areas:
  - 14 - ADR/RID.
  - 14 - IMDG.
  - 14 - IATA.

**Text of risk phrases in Section 3**

- R22 - Harmful if swallowed.
- R36/38 - Irritating to eyes and skin.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
## Anhydrous Zinc Polycarboxylate Cement

### Other Information

<table>
<thead>
<tr>
<th>Text of Hazard Statements in Section 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Acute Tox. 4: H302 - Harmful if swallowed.</td>
</tr>
<tr>
<td>Skin Irrit. 2: H315 - Causes skin irritation.</td>
</tr>
<tr>
<td>Eye Irrit. 2: H319 - Causes serious eye irritation.</td>
</tr>
</tbody>
</table>