# SAFETY DATA SHEET
according to Regulation (EU) 2015/830

---

**Glass Ionomer Orthodontic Cement**

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

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
<th>Glass Ionomer Orthodontic Cement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Product Use</strong></td>
<td>[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);</td>
</tr>
<tr>
<td><strong>Company</strong></td>
<td>Advanced Healthcare Ltd</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Units 2-4 Leavers Estate, Chiddingstone Causeway, Tonbridge, Kent, TN11 8JU, UK</td>
</tr>
<tr>
<td><strong>Web</strong></td>
<td><a href="http://www.ahl.uk.com">www.ahl.uk.com</a></td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>+44 (0) 1892 870500 (Use for Emergency also)</td>
</tr>
<tr>
<td><strong>Fax</strong></td>
<td>+44 (0)1892 870482</td>
</tr>
<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:sales@ahl.uk.com">sales@ahl.uk.com</a></td>
</tr>
<tr>
<td><strong>Email address of the competent person</strong></td>
<td><a href="mailto:sales@ahl.uk.com">sales@ahl.uk.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1.4. Emergency telephone number</th>
<th>+44(0)1892870500</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency telephone number</strong></td>
<td>(8.00 am - 4.30 pm Mon - Fri)</td>
</tr>
</tbody>
</table>

## SECTION 2: Hazards identification

<table>
<thead>
<tr>
<th>2.1. Classification of the substance or mixture</th>
<th>No Significant Hazard</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2.2. Label elements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Signal Word</strong></td>
<td>Warning</td>
</tr>
<tr>
<td><strong>Hazard Statement</strong></td>
<td>Eye Irrit. 2: H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td><strong>Precautionary Statement: Prevention</strong></td>
<td>P264 - Wash thoroughly after handling.</td>
</tr>
<tr>
<td><strong>Precautionary Statement: Response</strong></td>
<td>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td><strong>P305+P351+P338</strong></td>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
</tr>
<tr>
<td><strong>P337+P313</strong></td>
<td>IF eye irritation persists: Get medical advice/attention.</td>
</tr>
</tbody>
</table>

| Risk phrases | No Significant Hazard |

Further information: Medical devices as defined in Directive 93/42/EEC and which are invasive or used in direct contact.
Glass Ionomer Orthodontic Cement

Further information

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>L(+) Tartaric Acid</td>
<td>87-69-4</td>
<td>201-766-0</td>
<td></td>
<td></td>
<td>1 - 10%</td>
<td>Xi; R36/37/38</td>
<td></td>
</tr>
</tbody>
</table>

EC 1272/2008

<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>L(+) Tartaric Acid</td>
<td>87-69-4</td>
<td>201-766-0</td>
<td></td>
<td></td>
<td>1 - 10% Skin Irrit. 2: H315; Eye Dam. 1: H318; Eye Irrit. 2: H319; STOT SE 3: H335;</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.

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

6.4. Reference to other sections
Glass Ionomer Orthodontic Cement

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)

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.

Skin protection - Handprotection

Chemical resistant gloves.

SECTION 9: Physical and chemical properties

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>Not required</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>Not applicable</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>No data available</td>
</tr>
</tbody>
</table>
Glass Ionomer Orthodontic Cement

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


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. Information on toxicological effects

Skin corrosion/irritation
No data is available on this product.

Serious eye irritation
May cause irritation to skin.

May cause irritation to eyes.

11.1.4. Toxicological Information

| L(+) Tartaric Acid | Oral Rat LD50: 2000 Dermal Rabbit LD50: 2000 |

SECTION 12: Ecological information

12.1. Toxicity

| L(+) Tartaric Acid | Daphnia EC50/48h: 93.1000 mg/l Algae IC50/72h: 51.4000 mg/l |

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

| Glass Ionomer Orthodontic Cement | No data available |

12.4. Mobility in soil
Glass Ionomer Orthodontic Cement

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.

Further information
No data is available on this product.

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)
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 available.

15.2. Chemical safety assessment
No data available.

SECTION 16: Other information

Other information
Revision
This document differs from the previous version in the following areas:
## Text of risk phrases in Section 3
- R36/37/38 - Irritating to eyes, respiratory system and skin.

## Text of Hazard Statements in Section 3
- Skin Irrit. 2: H315 - Causes skin irritation.
- Eye Dam. 1: H318 - Causes serious eye damage.
- Eye Irrit. 2: H319 - Causes serious eye irritation.
- STOT SE 3: H335 - May cause respiratory irritation.

## Further information
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.