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

1.1. Product identifier

Product name: LC Resin Modified Glass Ionomer Liquid

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
(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

Skin Irrit. 2: H315; Eye Irrit. 2: H319;

2.2. Label elements

Hazard pictograms

Signal Word: Warning

Hazard Statement:
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye irritation.

Precautionary Statement: Prevention
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement: Response
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).
2.2. Label elements

- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.

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

<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>Polyethylene Glycol 600 Dimethacrylate</td>
<td>011-005-00-2</td>
<td>25852-47-5</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>10 - 20%</td>
<td>Xi; R36/38</td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>011-005-00-2</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>1 - 10%</td>
<td>Xi; R36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### EC 1272/2008

<table>
<thead>
<tr>
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<td>10 - 20%</td>
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<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>011-005-00-2</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>1 - 10%</td>
<td>Eye Irrit. 2: H319;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation**
May cause irritation to mucous membranes. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.

**Eye contact**
May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Skin contact**
May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Ingestion**
May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

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. Avoid contact with eyes and skin. Wear suitable protective clothing.

### 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
LC Resin Modified Glass Ionomer Liquid

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

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. Wear suitable protective clothing.

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.

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>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear/Yellow</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight</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>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>Solubility</td>
<td>No data available</td>
</tr>
</tbody>
</table>
9.2. Other information

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

Direct sunlight. Heat.

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

Acute toxicity

May cause irritation to skin and eyes.

Further information

No data is available on this product.

SECTION 12: Ecological information

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

Partition coefficient

| LC Resin Modified Glass Ionomer Liquid | 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.

Further information

No data is available on this product.
LC Resin Modified Glass Ionomer Liquid

General information
- 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.

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.

Further information
- 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.

SECTION 16: Other information

Other information
- This document differs from the previous version in the following areas:
  2 - Hazard pictograms.
  2 - Signal Word.
  2 - Precautionary Statement: Prevention.
  2 - Precautionary Statement: Response.
  2 - Further information.
  4 - Inhalation.
  6 - 6.1. Personal precautions, protective equipment and emergency procedures.
  7 - 7.1. Precautions for safe handling.
  8 - Skin protection - Handprotection.
  8 - Eye / face protection.
  9 - 9.1. Information on basic physical and chemical properties (PH).
  9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).
  9 - 9.1. Information on basic physical and chemical properties (Melting point).
  9 - 9.1. Information on basic physical and chemical properties (Flash point).
  9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).
LC Resin Modified Glass Ionomer Liquid

Other information

9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
9 - 9.1. Information on basic physical and chemical properties ( Explosive properties).
9 - 9.1. Information on basic physical and chemical properties ( Oxidising properties).
9 - 9.1. Information on basic physical and chemical properties ( Vapour pressure).
9 - 9.1. Information on basic physical and chemical properties ( Relative density).
9 - 9.1. Information on basic physical and chemical properties ( Viscosity).
9 - 9.1. Information on basic physical and chemical properties ( Vapour density).
9 - 9.1. Information on basic physical and chemical properties ( Evaporation rate).
9 - 9.1. Information on basic physical and chemical properties ( Freezing point).
9 - 9.1. Information on basic physical and chemical properties ( Fat solubility).
9 - 9.1. Information on basic physical and chemical properties ( Solubility).
9 - 9.1. Information on basic physical and chemical properties ( Odour threshold).
9 - 9.2. Other information ( Conductivity).
9 - 9.2. Other information ( Partition coefficient).
9 - 9.2. Other information ( Gas group).
9 - 9.2. Other information ( Surface tension).
9 - 9.2. Other information ( Benzene content).
9 - 9.2. Other information ( Product subcategory).
9 - 9.2. Other information ( Lead content).
10 - 10.4. Conditions to avoid.
10 - 10.3. Possibility of hazardous reactions.
10 - 10.6. Hazardous decomposition products.
10 - 10.1. Reactivity.
10 - 10.5. Incompatible materials.
12 - 12.4. Mobility in soil.
12 - 12.2. Persistence and degradability.
12 - 12.5. Results of PBT and vPvB assessment.
15 - 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.
16 - Maximum content of VOC.

Text of risk phrases in Section 3
R36/38 - Irritating to eyes and skin.
R36 - Irritating to eyes.

Text of Hazard Statements in Section 3
Skin Irrit. 2: H315 - Causes skin irritation.
Eye Irrit. 2: H319 - Causes serious eye 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.