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

1.1. Product identifier

Product name: Light Cure Glaze

1.3. Details of the supplier of the safety data sheet

Company: Advanced Healthcare Ltd
Address: Units 2-4 Leavers Estate, Chiddington 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

2.1.1. Classification - 1999/45/EC

Xi; R36/37/38-43

Main hazards: Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

2.1.2. Classification - EC 1272/2008

Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

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.
STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
2.2. Label elements

Precautionary Statement: Response

P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - IF ON SKIN: Wash with plenty of water. 
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 - Call a POISON CENTER/doctor/ if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P330 - Rinse off immediately with plenty of water.
P335 - If skin irritation occurs: Get medical advice/attention.
P341 - In case of contact with eyes: Rinse immediately with plenty of water.
P361 - If dust formation occurs: Use dust masks certified to NFA standards in the European Union.
P352+P353 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P360 - In case of contact with eyes: Rinse immediately with plenty of water for at least 15 minutes.
P364 - If exposed: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.

Precautionary Statement: Storage

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>Bis GMA</td>
<td>1565-94-2</td>
<td>216-367-7</td>
<td></td>
<td></td>
<td>50 - 60%</td>
<td>Xi; R36/37/38</td>
<td></td>
</tr>
<tr>
<td>TEGDMA</td>
<td>109-16-0</td>
<td>203-652-6</td>
<td></td>
<td></td>
<td>30 - 40%</td>
<td>Xi; R36/37/38-43</td>
<td></td>
</tr>
<tr>
<td>Butylated Hydroxy Toluene (2,5-Di-tert-butyl-p-cresol)</td>
<td>128-37-0</td>
<td>204-881-4</td>
<td></td>
<td></td>
<td>0 - 0.5%</td>
<td>Xn; R22 Xi; R36/38 N; R51/53</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>Bis GMA</td>
<td>1565-94-2</td>
<td>216-367-7</td>
<td></td>
<td></td>
<td>50 - 60%</td>
<td>Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;</td>
<td></td>
</tr>
<tr>
<td>TEGDMA</td>
<td>109-16-0</td>
<td>203-652-6</td>
<td></td>
<td></td>
<td>30 - 40%</td>
<td>Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Eye contact

Irritating 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

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

Ingestion

Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Carbon oxides.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters
Light Cure Glaze

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 equipment. Avoid contact with skin and eyes.

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. 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.

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

8.1. Control parameters

8.1.1. Exposure Limit Values

<table>
<thead>
<tr>
<th>Butylated Hydroxy Toluene (2,6-Di-tert-butyl-p-cresol)</th>
<th>WEL 8-hr limit ppm:</th>
<th>WEL 8-hr limit mg/m³: 10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEL 15 min limit ppm:</td>
<td>WEL 15 min limit mg/m³:</td>
</tr>
<tr>
<td></td>
<td>WEL 8-hr limit mg/m³ total</td>
<td>WEL 15 min limit mg/m³ total</td>
</tr>
<tr>
<td></td>
<td>inhaleable dust:</td>
<td>inhalable dust:</td>
</tr>
<tr>
<td></td>
<td>WEL 8-hr limit mg/m³ total</td>
<td>respiration dust:</td>
</tr>
<tr>
<td></td>
<td>respiration dust:</td>
<td>respiration dust:</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

Editorial changes: The previous content has been removed and replaced with new information.

Eye / face protection

Approved safety goggles.

Skin protection - Hand protection

Chemical resistant gloves.

Respiratory protection

Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic 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><strong>Appearance</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Yellow</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Odourless</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Freezing point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Initial boiling point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Fat Solubility</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Partition coefficient</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

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

SECTION 10: Stability and reactivity

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

Heat. Light.

10.5. Incompatible materials

Acids. Bases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td>No data is available on this product.</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>May cause irritation to skin.</td>
</tr>
<tr>
<td><strong>Serious eye damage/irritation</strong></td>
<td>May cause irritation to eyes.</td>
</tr>
<tr>
<td><strong>Respiratory or skin sensitisation</strong></td>
<td>May cause irritation to mucous membranes.</td>
</tr>
</tbody>
</table>
## Light Cure Glaze

### 11.1.4. Toxicological Information

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Dermal Rat LD50: 2000</th>
<th>Oral Rat LD50: 6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxy Toluene</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Daphnia EC50/48h: 0.4800 mg/l</th>
<th>Algae IC50/72h: 1.7000 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxy Toluene</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish LC50/96h: 5.3000 mg/l</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

No data is available on this product.

#### 12.3. Bioaccumulative potential

Partition coefficient

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Light Cure Glaze</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butylated Hydroxy Toluene</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

No data is available on this product.

#### 12.5. Results of PBT and vPvB assessment

No data available.

### SECTION 13: Disposal considerations

#### 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
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 is available on this product.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:

2 - 2.1. Classification of the substance or mixture.
2 - 2.2. Label elements.
2 - Hazard pictograms.
2 - Signal Word.
2 - Precautionary Statement: Prevention.
2 - Precautionary Statement: Response.
2 - Precautionary Statement: Storage.
2 - Precautionary Statement: Disposal.
2 - Further information.
6 - 6.1. Personal precautions, protective equipment and emergency procedures.
8 - Respiratory protection.
8 - Skin protection - Handprotection.
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)).
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 - 10.5. Incompatible materials.
11 - Acute toxicity.
11 - Skin corrosion/irritation.
11 - Respiratory or skin sensitisation.
11 - 11.1. Information on toxicological effects.
11 - Serious eye damage/irritation.
12 - 12.1. Toxicity.
12 - 12.4. Mobility in soil.
# Light Cure Glaze

## Other information

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - 12.2</td>
<td>Persistence and degradability.</td>
</tr>
<tr>
<td>12 - 12.5</td>
<td>Results of PBT and vPvB assessment.</td>
</tr>
<tr>
<td>13</td>
<td>Disposal methods.</td>
</tr>
<tr>
<td>13</td>
<td>Disposal of packaging.</td>
</tr>
<tr>
<td>15</td>
<td>Labelling.</td>
</tr>
<tr>
<td>15</td>
<td>Symbols.</td>
</tr>
<tr>
<td>15 - 15.1</td>
<td>Safety, health and environmental regulations/legislation specific for the substance or mixture.</td>
</tr>
<tr>
<td>16</td>
<td>Maximum content of VOC.</td>
</tr>
</tbody>
</table>

## Text of risk phrases in Section 3

- R22 - Harmful if swallowed.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R36/38 - Irritating to eyes and skin.
- R43 - May cause sensitisation by skin contact.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Text of Hazard Statements in Section 3

- Skin Irrit. 2: H315 - Causes skin irritation.
- 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.