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

1.1. Product identifier

Product name: CaviEtch

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description: Dental product.

1.3. Details of the supplier of the safety data sheet

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

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

Main hazards: C; R34

<table>
<thead>
<tr>
<th>Classification - EC 1272/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1B: H314;</td>
</tr>
</tbody>
</table>

2.2. Label elements

Hazard pictograms: 

Signal Word: Danger

Hazard Statement: Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Precautionary Statement: Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash thoroughly after handling.
2.2. Label elements

**Precautionary Statement:** Response

| P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 - IF SWALLOWED: rinse mouth. DO NOT induce vomiting. |
| P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

**Precautionary Statement:** Storage

| P405 - Store locked up. |

**Precautionary Statement:** Disposal

| P501 - Dispose of contents/container to in accordance with local/regional/national/international regulation. |

2.3. Other hazards

**Other hazards**
PBT. vPvB. Not applicable.

**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

#### 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>Phosphoric acid...% (Orthophosphoric acid)</td>
<td>015-011-00-6</td>
<td>7664-36-2</td>
<td>231-633-2</td>
<td></td>
<td>40 - 50%</td>
<td>C; R34</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>
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<td>Phosphoric acid...% (Orthophosphoric acid)</td>
<td>015-011-00-6</td>
<td>7664-36-2</td>
<td>231-633-2</td>
<td></td>
<td>40 - 50% Skin Corr. 1B: H314;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation**
Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.

**Eye contact**
Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.

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

**Ingestion**
Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

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

**Inhalation**
Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.

**Eye contact**
Causes severe burns.

**Skin contact**
Causes burns.

**Ingestion**
Ingestion causes burns to the respiratory tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures
5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.

5.2. Special hazards arising from the substance or mixture

Corrosive. 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. Evacuate personnel to a safe area. Wear suitable 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. See Section 8 for exposure controls/personal protection.

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

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

<table>
<thead>
<tr>
<th>Phosphoric acid...% (Orthophosphoric acid)</th>
<th>WEL 8-hr limit ppm: -</th>
<th>WEL 8-hr limit mg/m³: 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEL 15 min limit ppm: -</td>
<td>WEL 15 min limit mg/m³: 2</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>inhalable dust:</td>
<td>inhalable dust:</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>respirable dust:</td>
<td>respirable 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

Wear chemical protective clothing.
8.2. Exposure controls

<table>
<thead>
<tr>
<th>Protection</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye / face protection</td>
<td>Approved safety goggles.</td>
</tr>
<tr>
<td>Skin protection - Handprotection</td>
<td>Chemical resistant gloves.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Wear: Self-contained breathing apparatus.</td>
</tr>
</tbody>
</table>

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>Gel</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue/Green</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>&lt; 3</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>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>Miscible in water</td>
</tr>
</tbody>
</table>

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>Gas group</td>
<td>No data available</td>
</tr>
<tr>
<td>Lead content</td>
<td>No data available</td>
</tr>
<tr>
<td>Surface tension</td>
<td>No data available</td>
</tr>
<tr>
<td>Benzene 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

Strong acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Strong acids and strong bases.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

Strong bases.
10.6. Hazardous decomposition products
Will not decompose if stored and used as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| Acute toxicity | No data is available on this product. |
| Skin corrosion/irritation | Causes burns. |
| Serious eye damage/irritation | Causes serious eye damage. |
| Respiratory or skin sensitisation | Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | No carcinogenic effects reported. |
| Reproductive toxicity | No teratogenic effects reported. |
| STOT-single exposure | Not applicable. |
| STOT-repeated exposure | Not applicable. |
| Aspiration hazard | Fatal if swallowed, in contact with skin or if inhaled. |
| Repeated or prolonged exposure | Causes severe burns. |

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

Partition coefficient
CaviEtch 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 is available on this product.

12.6. Other adverse effects
No data is available on this product.

Further information
No data is available on this product.

SECTION 13: Disposal considerations

General information
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.

SECTION 14: Transport information

Hazard pictograms

14.1. UN number
UN1805

14.2. UN proper shipping name
PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)
ADR/RID 8
Subsidiary risk -
IMDG 8
Subsidiary risk -
IATA 8
Subsidiary risk -

14.4. Packing group
Packing group III

14.5. Environmental hazards
Environmental hazards No
Marine pollutant No

ADR/RID
Hazard ID 80
Tunnel Category (E)

IMDG
EmS Code F-A S-B

IATA
Packing Instruction (Cargo) 856
Maximum quantity 60 L
Packing Instruction (Passenger) 852
Maximum quantity 5 L

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.

15.2. Chemical safety assessment
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:

1. Description.
2. Other hazards.
4. 4.3. Indication of any immediate medical attention and special treatment needed.
6. 6.4. Reference to other sections.
7. 7.3. Specific end use(s).
10. 10.1. Reactivity.
10. 10.5. Incompatible materials.
11. 11.1.4. Toxicological Information.
11. Germ cell mutagenicity.
11. Carcinogenicity.
11. Reproductive toxicity.
11. Serious eye damage/irritation.
11. STOT-single exposure.
11. STOT-repeated exposure.
14. ADR/RID.
14. IMDG.
14. IATA.

#### Text of risk phrases in Section 3

- R34 - Causes burns.

#### Text of Hazard Statements in Section 3

- Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
- 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.