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

Acid Etch Gel

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

1.1. Product identifier
Product name Acid Etch Gel

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
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
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 C; R34
Symbols:
Main hazards Causes burns.

2.1.2. Classification - EC 1272/2008 Skin Corr. 1B: H314;

2.2. Label elements
Hazard pictograms
Signal Word Danger
Hazard Statement Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
P264 - Wash thoroughly after handling.
Acid Etch Gel

2.2. Label elements

Precautionary Statement: Response
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P300 - IF INhaled: Remove person to fresh air and keep comfortable for breathing. P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P335 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER/doctor/.
P321 - Specific treatment (see on this label).
P363 - Wash contaminated clothing before reuse.

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

<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>7664-38-2</td>
<td>231-633-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40 - 50%</td>
<td>Skin Corr. 1B: H314;</td>
<td></td>
</tr>
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</table>

EC 1272/2008

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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40 - 50%</td>
<td>Skin Corr. 1B: H314;</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
Acid Etch Gel

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

| Phosphoric acid...% (Orthophosphoric acid) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m3: | WEL 8-hr limit mg/m3 total: - |
|------------------------------------------|------------------------|-----------------------|
|                                          | WEL 15 min limit ppm: -| WEL 15 min limit mg/m3: - |
|                                          | WEL 8-hr limit mg/m3 total: - | WEL 15 min limit mg/m3 total: - |
|                                          | inhalable dust: | inhalable dust: |
|                                          | WEL 8-hr limit mg/m3 total: - | WEL 15 min limit mg/m3 total: - |
|                                          | respirable dust: | respirable dust: |

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.
Acid Etch Gel

8.2. Exposure controls

<table>
<thead>
<tr>
<th>Protection Type</th>
<th>Required Protection</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.
Acid Etch Gel

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. Causes severe burns. |
| Repeated or prolonged exposure | |

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

| Acid Etch Gel | 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.
### Acid Etch Gel

**SECTION 14: Transport information**

#### Hazard pictograms

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Pictogram" /></td>
<td></td>
</tr>
</tbody>
</table>

#### 14.1. UN number

- **UN1805**

#### 14.2. UN proper shipping name

- **PHOSPHORIC ACID, SOLUTION**

#### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID</td>
<td>8</td>
</tr>
<tr>
<td>IMDG</td>
<td>8</td>
</tr>
<tr>
<td>IATA</td>
<td>8</td>
</tr>
</tbody>
</table>

#### 14.4. Packing group

- **Packing group III**

#### 14.5. Environmental hazards

- **Environmental hazards**: No
- **Marine pollutant**: No

<table>
<thead>
<tr>
<th>ADR/RID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard ID</td>
<td>80</td>
</tr>
<tr>
<td>Tunnel Category</td>
<td>(E)</td>
</tr>
</tbody>
</table>

#### IMDG

- **EmS Code**: F-A S-B

#### IATA

<table>
<thead>
<tr>
<th>Packing Instruction (Cargo)</th>
<th>Maximum quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>856</td>
<td>60 L</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Packing Instruction (Passenger)</th>
<th>Maximum quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>852</td>
<td>5 L</td>
</tr>
</tbody>
</table>

#### 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
# Acid Etch Gel

**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. - 10.5. 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.