MATERIAL SAFETY DATA SHEET

1. Name of product and company:

Product name: Etch Gel
Supplier: Henry Schein, Inc.
Melville, NY 11747 USA
Henry Schein U.K. Holdings Ltd.
Gillingham ME8 0SB U.K.

Emergency Telephone Number: UK:44 (0) 1634878750
Emergency #: Chemtrec US (800) 424-9300
International: +1 703-527-3887
Fax +44 (0) 1634 87 87 51
email: cbdeurope@henryschein.de

Date of Issue: July 17, 2008

2. Composition/Information on Ingredients:

A. Substances which give the product its health-risk properties, if any.

Phosphoric Acid

3. Hazardous properties:

Physical/Chemical Hazards: Incompatibility with strong bases and active metals.
Human health Hazards: Repeated contact with skin may lead to burns and rashes.
Acute hazard: Slightly toxic when inhaled or ingested.
Chronic hazard: Slightly toxic when repeated inhalation or ingestion.
Environmental Hazards: Not determined

4. First aid measures:

Effects and Symptoms:

Inhalation: Severe irritant
Skin contact: Mild to severe irritant
Eye contact: Mild to severe irritant
Ingestion: Slightly toxic

First Aid Measures:

Inhalation: Remove person to fresh air
Skin contact: Wash with soap and water for at least 15 minutes.
Eye contact: Flush with copious amounts of water for at least 15 minutes.
# MATERIAL SAFETY DATA SHEET

## Ingestion:
Seek medical attention. Do not induce vomiting. Wash out mouth with water, keep at rest.

## Fire fighting measures:

### Extinguishing Media

<table>
<thead>
<tr>
<th>Extinguishing Media:</th>
<th>Material is not flammable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special fire-fighting procedures:</td>
<td>None required</td>
</tr>
<tr>
<td>Unusual fire/explosion hazards:</td>
<td>None reported</td>
</tr>
<tr>
<td>Hazardous thermal (de)composition products:</td>
<td>Emits toxic fumes of oxides of phosphorus.</td>
</tr>
<tr>
<td>Protection of fire-fighters:</td>
<td>Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus.</td>
</tr>
</tbody>
</table>

## Accidental release measures:

### Personal precautions:
Gloves and eye protection suggested.

### Environmental Precautions and Clean-up Methods:
Cover with sodium carbonate and calcium hydroxide. Collect material. Place in an approved metal container.
## Handling and storage:

**Handling:**
- **Technical Precautions:** To be handled by qualified dental professionals.
- **Precautions:** Follow the instructions for use.

**Storage:** Store at or below room temperature. Keep container dry. Keep container in well-ventilated area.

## Exposure control/personal protection:

**Personal Protective Equipment**
- **Respiratory system:** Respiratory protection is recommended when using large amounts.
- **Skin and body:** Lab Coat
- **Hands:** Gloves
- **Eyes:** Safety glasses or splash goggles

## Physical and chemical properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state and Appearance</td>
<td>Viscous Gel</td>
</tr>
<tr>
<td>Odor</td>
<td>No obvious odor</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>No Data</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No Data</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.3</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Non-Flammable</td>
</tr>
<tr>
<td>Flammability</td>
<td>No Data</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No Data</td>
</tr>
<tr>
<td>Explosion Properties</td>
<td>Material may burn if exposed to flame</td>
</tr>
</tbody>
</table>

## Stability and reactivity:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>This material is stable</td>
</tr>
<tr>
<td>Conditions to avoid / Materials to Avoid</td>
<td>Avoid dehydration by keeping container closed. Reactive metals and bases are materials to be avoided.</td>
</tr>
<tr>
<td>Hazardous Reactions</td>
<td>None reported</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>At flame temperatures, material will emit toxic phosphorus oxide fumes.</td>
</tr>
</tbody>
</table>

## Toxicological information:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute oral toxicity</td>
<td>LD$_{50}$ = 1530 mg/kg (for 85% phosphoric acid)</td>
</tr>
</tbody>
</table>
12. Ecological information:

May cause adverse environmental impact if material reaches waterways.

13. Waste disposal:

Methods of disposal; Waste of residues;
Contaminated Packaging: Dispose of waste at an appropriate waste
disposal facility according to current
applicable laws and regulations.

14. Transport information:

Additional information: UN 1805, Phosphoric acid solution, 8, PGIII

15. Regulatory information:

Symbols of Danger: Corrosive

R-Phrase:

R 34: Causes burns
R 22: Harmful if swallowed

S-Phrase:

S 36, S 39: Wear suitable protective clothing and eye/face protection.
S 24, S 25: Avoid contact with skin or eyes.
S 26: In case of contact with eyes, rinse immediately with plenty of water
and seek medical advice.
S 28: After contact with skin, wash immediately with plenty of soap and
water.
S 46: If swallowed, seek medical advice immediately and show the
container or label.

16. Other information:

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However,
neither the above named supplier nor any of its subsidiaries assumes any liability
whatsoever for the accuracy or completeness of the information contained herein. Final
determination of suitability of any material is the sole responsibility of the user. All
materials may present unknown hazards and should be used with caution. Although
certain hazards are described herein, we cannot guarantee that these are the only
hazards
that exists.