This SDS packet was issued with item:
070890350

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070890376
Trade Name: **PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel**

### 1.0 Commercial Product Name and Supplier

1. **Commercial product name / designation**
   
   **PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel**

1.2 **Application / Use**

   Dental etching gel for use by dental professional only.

1.2.2 **SIC**

   851 Human health activity

1.2.3 **Use Category**

   55

1.3 **Manufacturer**

   Patterson Dental Supply

   1031 Mendota Heights Road

   Saint Paul MN 55120

   Telephone:

   Fax:

   Email:

### 2.0 Hazards Identification

2. **Classification**

2.1 **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

   - **Hazard Class**
   - **Hazard Category**
   - **Hazard Statement**

   - Skin corrosion: 1B, H314
   - Eye irritation: 2, H319

2.1.2 **Classification according to Directive 67/548/EEC**

   (See SECTION 16 for full text of risk phrases)

   - Corrosive (C); R 34; R 36 / 37 / 38

2.2 **GHS Label Elements**

   **Hazard Pictograms**

   Signal Word: **DANGER**

   **Restricted to use by dental professional only.**

   **Hazard Statements**

   - H314: Causes severe skin burns and eye damage.
   - H319: Causes serious eye irritation.

   **Precautionary Statements**

   - P264: Wash hands thoroughly after handling.
   - P280: Wear protective gloves, clothing and eye/face protection.
   - P301 + P330 + P331: If swallowed, rinse mouth. Do NOT induce vomiting.
   - P303 + P361 + P353: If on skin (or hair), remove all contaminated clothing. Rinse skin with water.
   - P363: Wash contaminated clothing before reuse.
   - P310: Immediately call a Poison Center or doctor/physician.
   - P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until pH of tears is 7.

### 3.0 Composition

3.1 **Chemical characterization of the preparation**

   Phosphoric acid in a gel matrix.
Trade Name: **PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel**

### 3.2 Hazardous ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Name of the Ingredient</th>
<th>Concentration</th>
<th>Classification per 67/548/EEC</th>
<th>Classification per Regulation (EC) No.1272/2008 (CLP).</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-38-2</td>
<td>Phosphoric Acid</td>
<td>40%</td>
<td>Corrosive (C) R34; R36/37/38</td>
<td>Skin corrosion; 1B Eye irritant, 2</td>
</tr>
</tbody>
</table>

### 4.0 First Aid Measures

**4.1 General Information**
May cause burns or irritation to eyes, skin or mucous membranes. Acute effects may be delayed. Show this safety data sheet to medical personnel. Get medical attention in case of uncertainty.

**4.2 Eye Contact**
Remove contact lenses. Keep eyelids apart and flush with running water for 15+ minutes or until pH of tears is 7. Get medical attention.

**4.3 Skin Contact**
Immediately flush skin with running water for 15 minutes. Get medical attention for persistent irritation or burns.

**4.4 Ingestion**
Rinse mouth with water. Do not induce vomiting. Give water to dilute. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**4.5 Inhalation**
Move to fresh air. If necessary, administer oxygen and/or artificial respiration and seek medical attention.

**4.6 Precautions for first responders**
Ventilate the area. Wear safety glasses, gloves and lab coat.

**4.7 Information for physicians**
Symptoms: Irritation, pain or redness in eyes, mucous membranes or skin. Acute effects may be delayed so continued monitoring of the patient is indicated.

Hazard: May cause burns or irritation to eyes, skin or mucous membranes. Acute effects may be delayed.

Treatment: Same as above under First Aid.

### 5.0 Fire Fighting Measures

**5.1 Suitable extinguishing media**
Not a fire hazard. Use water spray to keep fire-exposed containers cool. Extinguish fire with agent suitable for surrounding fire.

**5.2 Extinguishing media to avoid**
None

**5.3 Special exposure hazards in a fire**
Phosphoric acid can react with metals to liberate hydrogen, a flammable gas. Combustion by-products include oxides of phosphorus.

**5.4 Special protective equipment for fire-fighters**
A self-contained breathing apparatus should be worn by firefighting personnel.

### 6.0 Accidental Release Measures

**6.1 Personal precautions.**
Wear chemical splash goggles and gloves.

**6.2 Environmental precautions**
Avoid releasing large quantities into the environment as phosphoric acid may affect pH of water or soil.

**6.3 Method for clean up**
For small quantities (as in this product): Wear safety glasses, lab coat and gloves. Absorb or wipe up spill with dry paper towels. Place all material in covered chemical waste container for disposal. Flush spill area with water.
## Handling and Storage

### 7.1 Handling
For use by dental professionals only. Wear safety glasses and gloves; wash hands after use. Avoid unnecessary exposure. Follow good hygiene practices. Protect soft tissue from etchant during intraoral procedures.

### 7.2 Storage
Remove applicator tip after use. Keep tightly capped in original container. Store at cool room temperature. Avoid extremes of temperature (>27°C/80°F, <5°C/40°F), alkalies, sulfites, sulfides and most metals.

### 7.3 Specific uses
Dental etchant

## Exposure Controls / Personal Protection

### 8.1 Exposure limit values
TWA: 1 mg/m³  TLV: 3 mg/m³

### 8.2 Exposure controls

#### 8.2.1 Occupational exposure controls
No special equipment required under normal conditions of use of this product in the quantity provided.

#### 8.2.1.1 Respiratory protection
Good general ventilation is sufficient to control airborne vapors.

#### 8.2.1.2 Hand protection
No special requirements other than surgical gloves.

#### 8.2.1.3 Eye protection
No special requirements other than safety glasses.

#### 8.2.1.4 Skin protection
No special requirements. Good personal hygiene and safety practices, wearing a lab coat will protect from unnecessary exposure to etchant.

#### 8.2.1.5 Other controls
Emergency eye wash fountain should be available. Protect soft tissue from etchant during intraoral procedures. Wash hands after use.

#### 8.2.2 Environmental exposure controls
Avoid releasing large quantities of phosphoric acid into the environment as phosphoric acid may affect pH of water or soil.

## Physical and Chemical Properties

### 9.1 Appearance / Color
Blue, thixotropic gel.

### 9.1.1 Color / Physical state
Blue, thixotropic gel.

### 9.2 Odor
Mild, characteristic

### 9.3 Important health, safety and environmental information

#### 9.2.1 pH
pH 1

#### 9.2.2 Boiling point
135°C

#### 9.2.3 Flash point
Not combustible

#### 9.2.4 Flammability (solid, gas)
Not combustible

#### 9.2.5 Explosive properties
Not applicable

#### 9.2.6 Oxidizing properties
Not determined

#### 9.2.7 Vapor pressure
2.933 mbar / Id: C

#### 9.2.8 Specific gravity
1.380

#### 9.2.9 Solubility in water
Complete

#### 9.2.10 Partition coefficient
Not determined

#### 9.2.11 Viscosity
Not determined
Safety Data Sheet

Trade Name: **PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel**

9.2.12 Vapor density Not determined
9.2.13 Evaporation rate Not determined

<table>
<thead>
<tr>
<th>10.0 Stability and reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Conditions to avoid</td>
</tr>
<tr>
<td>10.2 Materials to avoid</td>
</tr>
<tr>
<td>10.3 Hazardous decomposition products</td>
</tr>
<tr>
<td>10.4 Further information</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11.0 Toxicological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1 Acute toxicity</td>
</tr>
<tr>
<td>11.2 Irritation and corrosiveness</td>
</tr>
<tr>
<td>11.3 Sensitization</td>
</tr>
<tr>
<td>11.4 Sub-acute, sub-chronic, prolonged toxicity</td>
</tr>
<tr>
<td>11.5 Carcinogenicity, Mutagenicity, Reproductive Toxicity</td>
</tr>
<tr>
<td>11.6 Empirical data</td>
</tr>
<tr>
<td>11.7 Clinical Experience</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.0 Ecological Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1 Ecotoxicity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>13.0 Disposal Considerations</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.1 Regulations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.0 Transport Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN Number</td>
</tr>
<tr>
<td>14.2 Technical name</td>
</tr>
<tr>
<td>14.3 Packing group</td>
</tr>
<tr>
<td>14.4 IATA class</td>
</tr>
</tbody>
</table>
### Regulatory Information

<table>
<thead>
<tr>
<th>15.0</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1 EU</td>
<td>Class IIa medical device under MDD 93/42/EEC.</td>
</tr>
<tr>
<td>15.2 US FDA</td>
<td>Class II medical device</td>
</tr>
<tr>
<td>15.3 Health Canada</td>
<td>Class II medical device</td>
</tr>
</tbody>
</table>

### Other information

| 16.1 List of relevant R phrases | R 34: Causes burns  
|                               | R 36 / 37 / 38: Irritating to eyes, respiratory system and skin. |
| 16.2 Hazard Statements | H314: Causes severe skin burns and eye damage.  
|                         | H319: Causes serious eye irritation. |
| 16.3 Precautionary Statements | P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves, clothing and eye/face protection.  
P301 + P330 + P331: If swallowed, rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353: If on skin (or hair), remove all contaminated clothing. Rinse skin with water.  
P363: Wash contaminated clothing before reuse.  
P310: Immediately call a Poison Center or doctor/physician.  
P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until pH of tears is 7. |
| 16.4 Restrictions on use | Dental etchants are to be sold to/used by dental professionals only. |
| 16.5 Further information | The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Patterson Dental bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate. |
| 16.6 Sources of key data | National Institute for Occupational Safety (NIOSH)  
Occupational Safety and Health Administration (OSHA)  
| 16.7 Information which has been added, deleted or revised. | This Safety Data Sheet has been revised to meet the requirements of the GHS SDS format and Regulations (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH). Specifically, Sections 2.1, 2.2, 3.2, 16.2, 16.3 have been modified. |
PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel

SECTION 1: Identification

Product identifier
Product name: PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel
Product code: 070890376, 070890350

Recommended use of the product and restriction on use
Relevant identified uses: Dental etching gel for use by dental professional only.
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details
Manufacturer:
Supplier
Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number:
United States
CHEMTREC
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard(s) identification

GHS classification:
Skin corrosion, category 1A
Serious eye damage, category 1

Label elements
Hazard pictograms:

Signal word: Danger

Hazard statements:
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Precautionary statements:
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel

P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse
P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician
P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P405 Store locked up
P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number:</td>
<td>Phosphoric Acid</td>
<td>&lt;40</td>
</tr>
<tr>
<td>7664-38-2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:
Not determined or not applicable.

After inhalation:
Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell
Take precautions to ensure your own safety
Remove source of exposure or move person to fresh air and keep comfortable for breathing
Immediately call a POISON CONTROL CENTER or seek medical attention
If breathing has stopped, trained personnel should begin rescue breathing
Avoid mouth-to-mouth contact by using a barrier device
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

After skin contact:
Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective clothing, if necessary
Immediately take off all contaminated clothing
Gently blot or brush away excess product
Rinse skin with lukewarm, gently flowing water until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention
Wash contaminated clothing before re-use or discard

After eye contact:
Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Avoid direct contact and wear chemical protective gloves, if necessary
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids
open
Remove contact lenses, if present and easy to do so
Continue rinsing until medical aid is available
Immediately call a POISON CONTROL CENTER or seek medical attention

**After swallowing:**
Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists
Immediately call a POISON CONTROL CENTER or seek medical attention
Do not induce vomiting and rinse mouth
If vomiting occurs naturally, lie on your side, in the recovery position
If breathing has stopped, trained personnel should begin rescue breathing
Avoid mouth-to-mouth contact by using a barrier device
If the heart has stopped, immediately start cardiopulmonary resuscitation (CPR)

**Most important symptoms and effects, both acute and delayed**
**Acute symptoms and effects:**
Not determined or not applicable.

**Delayed symptoms and effects:**
Not determined or not applicable.

**Immediate medical attention and special treatment**
**Specific treatment:**
Not determined or not applicable.

**Notes for the doctor:**
Not determined or not applicable.

### SECTION 5: Firefighting measures

**Extinguishing media**

**Suitable extinguishing media:**
Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

**Unsuitable extinguishing media:**
Not determined or not applicable.

**Specific hazards during fire-fighting:**
Thermal decomposition can lead to release of irritating gases and vapors

**Special protective equipment for firefighters:**
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

**Special precautions:**
Not determined or not applicable.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing

**Environmental precautions:**
Should not be released into the environment
Prevent from reaching drains, sewer or waterway

**Methods and material for containment and cleaning up:**
Wear protective eye wear, gloves and clothing
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:
Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:
Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

<table>
<thead>
<tr>
<th>Country (Legal Basis)</th>
<th>Substance</th>
<th>Identifier</th>
<th>Permissible concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States (OSHA)</td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>OSHA PEL TWA 1.0 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>STEL: 3 mg/m³</td>
</tr>
<tr>
<td>ACGIH</td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>ACGIH TLV TWA 1.0 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>ACGIH TLV STEL 3.0 mg/m³</td>
</tr>
<tr>
<td>NIOSH</td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>NIOSH REL TWA 1.0 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>NIOSH REL ST 3.0 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>IDLH: 1000 mg/m³</td>
</tr>
</tbody>
</table>

Biological limit values:
No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:
Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:
Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:
Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:
If engineering controls do not maintain airborne concentrations below recommended exposure limits
General hygienic measures:
Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue, thixotropic gel.</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild, characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>pH</td>
<td>1</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Initial boiling point/range</td>
<td>135°C</td>
</tr>
<tr>
<td>Flash point (closed cup)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Upper flammability/explosive limit</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Lower flammability/explosive limit</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>2.933 mbar / Id: C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Solubilities</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Auto/Self-ignition temperature</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined or not available.</td>
</tr>
</tbody>
</table>

Other information

SECTION 10: Stability and reactivity

Reactivity:
Does not react under normal conditions of use and storage.

Chemical stability:
Stable under normal conditions of use and storage.

Possibility of hazardous reactions:
None under normal conditions of use and storage.

Conditions to avoid:
None known.
PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel

Incompatible materials:
None known.

Hazardous decomposition products:
None known.

SECTION 11: Toxicological information

Acute toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Skin corrosion/irritation
Assessment: Causes severe skin burns and eye damage
Product data: No data available.
Substance data:

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
</tbody>
</table>

Serious eye damage/irritation
Assessment: Causes serious eye damage
Product data: No data available.
Substance data: No data available.

Respiratory or skin sensitization
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Carcinogenicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.
National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Reproductive toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data: No data available.

Specific target organ toxicity (single exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
PATTERSON Etch Gel 40% Phosphoric Acid Etching Gel

No data available.

**Substance data:** No data available.

**Specific target organ toxicity (repeated exposure)**
- **Assessment:** Based on available data, the classification criteria are not met.
- **Product data:** No data available.
- **Substance data:** No data available.

**Aspiration toxicity**
- **Assessment:** Based on available data, the classification criteria are not met.
- **Product data:** No data available.
- **Substance data:** No data available.

**Information on likely routes of exposure:**
No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**
No data available.

**Other information:**
No data available.

### SECTION 12: Ecological information

**Acute (short-term) toxicity**
- **Assessment:** Based on available data, the classification criteria are not met.
- **Product data:** No data available.
- **Substance data:** No data available.

**Chronic (long-term) toxicity**
- **Product data:** No data available.
- **Substance data:** No data available.

**Persistence and degradability**
- **Product data:** No data available.
- **Substance data:** No data available.

**Bioaccumulative potential**
- **Product data:** No data available.
- **Substance data:** No data available.

**Mobility in soil**
- **Product data:** No data available.
- **Substance data:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

**Disposal methods:**
It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1805</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>Phosphoric acid</td>
</tr>
</tbody>
</table>
### UN transport hazard class(es)
- 8

### Packing group
- III

### Environmental hazards
- None

### Special precautions for user
- None

### International Maritime Dangerous Goods (IMDГ)

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1805</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>Phosphoric acid</td>
</tr>
<tr>
<td><strong>UN transport hazard class(es)</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>III</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN1805</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>Phosphoric acid</td>
</tr>
<tr>
<td><strong>UN transport hazard class(es)</strong></td>
<td>8</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>III</td>
</tr>
<tr>
<td><strong>Environmental hazards</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

### SECTION 15: Regulatory information

#### United States regulations

**Inventory listing (TSCA):**
- 7664-38-2 Phosphoric Acid Listed

**Significant New Use Rule (TSCA Section 5):** Not determined.

**Export notification under TSCA Section 12(b):** Not determined.

**SARA Section 302 extremely hazardous substances:** Not determined.

**SARA Section 313 toxic chemicals:**
- 7664-38-2 Phosphoric Acid Not Listed

**CERCLA:**
- 7664-38-2 Phosphoric Acid Listed 5,000

**RCRA:** Not determined.

**Section 112(r) of the Clean Air Act (CAA):** Not determined.

**Massachusetts Right to Know:**
- 7664-38-2 Phosphoric Acid Listed

**New Jersey Right to Know:**
- 7664-38-2 Phosphoric Acid Listed
New York Right to Know:
7664-38-2  Phosphoric Acid  Listed
Pennsylvania Right to Know:
7664-38-2  Phosphoric Acid  Listed
California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None
Disclaimer:
This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0-0
HMIS: 2-0-0-0
Initial preparation date: 11.27.2017

End of Safety Data Sheet