



# SAFETY DATA SHEET

Issuing Date 28 May-2015

Revision Date 28 May-2015

ECR# 23578

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** Etchant, Medium Viscosity

### Other means of identification

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Professional Dental

**Uses advised against** No information available

### Supplier's details

#### **Supplier Address**

DenMat  
1017 W. Central Ave.  
Lompoc, CA 93436  
TEL: 805-346-3700

### Emergency telephone number

**Emergency Telephone Number** 805-346-3700

## 2. HAZARDS IDENTIFICATION

### Classification

### GHS Label elements, including precautionary statements



**Appearance** Blue/Green

**Physical State** Liquid.

**Odor** unpleasant, do not smell

### Hazard statement(s)

H314 Causes severe skin burns and eye damage.

### Precautionary statement(s)

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Phosphoric acid	7664-38-2	35%	

*\*The exact percentage (concentration) of composition has been withheld as a trade secret.*

## 4. FIRST AID MEASURES

### Description of necessary first-aid measures

<b>Eye Contact</b>	Remove contact lenses before flushing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
<b>Ingestion</b>	DO NOT INDUCE VOMITING –Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical attention.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Specific Hazards Arising from the Chemical**

Carbon dioxide

**Explosion Data**

**Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

None

**Protective Equipment and Precautions for Firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight from a protected location or safe distance.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Ensure adequate ventilation. Avoid breathing vapors or mists.  
Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**Environmental Precautions**

**Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**

**Environmental Precautions**

Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Handling**

Ensure adequate ventilation. Will attack glass and porcelain. Do not contact any spills or diluted . Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Products**

Strong bases. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Phosphoric Acid 7664-38-2	0.5 ppm	3 ppm	Not established

**Appropriate engineering controls**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields. Tightly fitting safety goggles.  
**Skin and Body Protection** Long sleeved clothing. Impervious gloves.  
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	liquid (gel)	<b>Appearance</b>	Blue
<b>Odor</b>	None	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks/ - Method</b>	
pH	Not Applicable	None known	
<b>Melting Point/Range</b>	< 0° C	None known	
<b>Boiling Point/ Range</b>	Not Established	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available		
<b>Flammability Limits in Air</b>			
upper flammability limit	No data available		
lower flammability limit	No data available		
<b>Vapor Pressure</b>	No data available	None known	
<b>Vapor Density</b>	No data available	None known	
<b>Specific Gravity</b>	1.46 @ 25°C	None known	
<b>Water Solubility</b>	Miscible	None known	
<b>Solubility in other solvents</b>	Minimal	None known	

**Information on basic physical and chemical properties**

<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	Thin gel	

**Flammable Properties** Not flammable

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

**Other information**

**VOC Content (%)** None

**10. STABILITY AND REACTIVITY**

## **Etchant – Medium Viscosity**

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### **Reactivity**

No dangerous reaction known under conditions of normal use.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

None under normal processing.

### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### **Conditions to avoid**

Glass contact, strong bases or organic anhydrides

### **Incompatible materials**

Strong acids. Strong oxidizing agents.

### **Hazardous decomposition products**

None expected

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Acute Toxicity: LD50 not determined

### Delayed and immediate effects and also chronic effects from short and long term exposure

<p><b>Sensitization</b>  <b>Mutagenic Effects</b>  <b>Carcinogenicity</b></p>	<p>No information available.          No information available.          IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC.</p> <p>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen</p>
<p><b>Reproductive Toxicity</b>  <b>STOT - single exposure</b>  <b>STOT - repeated exposure</b>  <b>Target Organ Effects</b></p>	<p>No information available.          No information available.          No information available.          Eyes. Respiratory system.</p>

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

### Other Adverse Effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

### DOT

<b>UN-Number</b>	1760
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Description</b>	
<b>Emergency Response Guide Number</b>	

**IATA**

UN-Number 1760  
 Proper Shipping Name Corrosive Liquid, n.o.s. (Phosphoric acid mixture)  
 Hazard Class 8  
 Packing Group III  
 ERG Code  
 Description

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** All components of this product are either listed or are exempt on the TSCA inventory.

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Phosphoric acid	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards - 0
<b><u>HMIS</u></b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection X

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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**