



## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ProE-Vac™

### Other Means of Identification

**SDS #** PVAC/SDS/I03

**UN/ID No.** UN1760

**Product Code** PVAC

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Dental Evacuation System Cleaner.

### Details of the Supplier of the Safety Data Sheet

## 2. HAZARDS IDENTIFICATION



### Classification

Skin Corrosion / Irritation	Category 1
Serious Eye Damage / Eye Irritation	Category 1
Acute Toxicity - Inhalation (Dusts / Mists)	Category 4

### Signal Word

	Danger.
<b>Physical &amp; Chemical Hazards:</b>	None Known.
<b>Health Hazards:</b>	Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled.
<b>Environmental Hazards:</b>	See section 12.

### GHS Label Element

<b>Hazard Statements</b>	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
	H332	Harmful if inhaled.
<b>Precautionary Statements:</b>		
Prevention	P202	Do not handle until all safety precautions have been read and understood.
	P280	Wear eye protection.
	P260	Do not breathe dust/fumes/gas/mist/vapors/spray.
Response	P314	Get medical advice/attention if you feel unwell.
Storage	P403	Store in a well-ventilated place.
	P411	Store at temperatures not exceeding 122°F (50 °C).
Disposal	P501	Dispose according to all local, state and federal regulations.

### Hazard(s) not otherwise classified (HNOC):

Not determined.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Isopropyl Alcohol	67-63-0	*
Phosphoric Acid	7664-38-2	*
Glycolic Acid	79-14-1	*

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.
<b>Eye Contact</b>	Immediately flush with plenty of water. Remove any contact lenses and continue flushing for several minutes and call a physician immediately.
<b>Ingestion</b>	Rinse mouth and drink plenty of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for several minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: get medical attention.
<b>Symptoms</b>	Causes severe skin and eye burns. Inhalation of fumes or acid mist can cause irritation and corrosive burns to the upper respiratory tract. Ingestion may cause severe burns to mouth, throat or stomach.
<b>Note to Physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use water, CO <sub>2</sub> , dry chemical or foam to extinguish.
<b>Unsuitable Extinguishing Media</b>	Not Determined.
<b>Specific Hazards Arising from the Chemical</b>	Contents are corrosive.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### Personal Precautions

Use personal protective equipment as required.

#### For Emergency Responders

The wet, contaminated surface may be slippery.

#### Environmental Precautions

Restrict access to spill area. Ventilate the area.

Prevent entry into waterways, sewers, basements or confined areas.

### Methods and Material for Containment and Cleaning Up

#### Methods for Containment

Prevent further leakage or spillage if safe to do so.

#### Methods for Cleaning Up

Absorb with inert material. Shovel or sweep spills.  
Flush remainder with plenty of water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only in well-ventilated areas.

Do not breathe dust/fumes/gas/mist/vapors/spray.

Keep out of the reach of children and pets.

### Conditions for Safe Storage, Including any Incompatibilities

#### Storage Conditions

Store in a dry, cool and well-ventilated place away from incompatible materials. Do not store above 122°F (50°C).

#### Incompatible Materials

Alkalis. Alkaline earth metals.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
		TWA: 980 mg/m <sup>3</sup>	
		TWA: 400 ppm (Vacated)	
		TWA: 980 mg/m <sup>3</sup> (Vacated)	
		STEL: 500 ppm (Vacated)	
Phosphoric Acid 7664-38-2	STEL: 3 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>
		TWA: 1 mg/m <sup>3</sup> (Vacated)	
		STEL: 3 mg/m <sup>3</sup> (Vacated)	

### Appropriate Engineering Controls

Eyewash stations.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/Face Protection

Wear goggles, chemical safety glasses or a face protection shield.

#### Skin and Body Protection

Chemical resistant, non-latex and impermeable gloves are required. Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Respiratory Protection

Under normal conditions a respirator is not normally required. A mask or respirator may be used if vapor concentration is high.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Appearance</b>	Pink Clear Liquid	<b>Color</b>	Pink	<b>Odor</b>	Fresh
<b>Property</b>	<b>Values</b>		<b>Property</b>	<b>Values</b>			
pH	< 2		<b>Specific Gravity</b>	1.05			
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C		<b>Water Solubility</b>	Completely Soluble.			
<b>Boiling Point / Boiling Range</b>	212°F / 100°C		<b>Partition Coefficient</b>	Not Determined.			
<b>Flash Point</b>	Not Flammable.		<b>Autoignition Temperature</b>	Not Flammable.			
<b>Evaporation Rate</b>	< 1		<b>Decomposition Temperature</b>	Not Determined.			
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.		<b>Kinematic Viscosity</b>	Not Determined.			
<b>Flammability Limits In Air</b>	Not Flammable.		<b>Dynamic Viscosity</b>	Not Determined.			
<b>Vapor Pressure</b>	Not Determined.		<b>Explosive Properties</b>	Not Explosive.			
<b>Vapor Density</b>	> 1		<b>Oxidizing Properties</b>	Not Determined.			
<b>VOC Content (%)</b>	< 10% (approximate)						

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.
<b>Conditions to Avoid</b>	Avoid temperatures above 122°F (50°C).
<b>Incompatible Materials</b>	Alkalis. Alkaline earth metals.
<b>Hazardous Decomposition Products</b>	None Known.

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure** Inhalation. Eye Contact. Skin Contact. Ingestion.

### Information on Likely Routes of Exposure

<b>Inhalation</b>	Harmful if inhaled.
<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Isopropyl Alcohol 67-63-0	5840 mg/kg (Rat)	> 12800 mg/kg (Rat)	> 10000 ppm (Rat) 6 hrs
Phosphoric Acid 7664-38-2	1530 mg/kg (Rat)	2740 mg/kg (Rabbit)	N/A
Glycolic Acid 79-14-1	2980 mg/kg (Rat)	> 5000 mg/kg (Rat)	> 36 mg/m <sup>3</sup> (Rat) 4 hrs

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity** The product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	A4	Group 3	N/A	N/A

### ACGIH (The American Conference of Governmental Industrial Hygienists)

A4 - Not Classifiable as a Human Carcinogen.

### IARC (International Agency for Research on Cancer)

Group 3 - Not Carcinogenic to Humans.

### Numerical Measures of Toxicity

Not Determined.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl Alcohol 67-63-0	Known Toxin	Known Toxin	No Information	Known Toxin
Phosphoric Acid 7664-38-2	No Information	Known Toxin	No Information	Known Toxin
Glycolic Acid 79-14-1	No Information	Known Toxin	No Information	No Information

**Persistence and Degradability** Not Determined.

**Bioaccumulation** Not Determined.

**Mobility**

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	1.1
Glycolic Acid 79-14-1	-1.11

**Other Adverse Effects** Not Determined.

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**  
**Disposal of Wastes** Dispose according to all local, state and federal regulations.  
**Contaminated Packaging** Dispose according to all local, state and federal regulations.

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic / Ignitable
Phosphoric Acid 7664-38-2	Corrosive

## 14. TRANSPORT INFORMATION

**Note**  
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Quarts and gallons are shipped as Limited Quantity. Large sizes, 5 gallons or more, are shipped as class 8.

<b>DOT</b>	<b>UN/ID No</b>	UN1760
	<b>Proper Shipping Name</b>	Corrosive Liquid, n.o.s. (Contains Phosphoric and Glycolic Acid)
	<b>Hazard Class</b>	8
<b>IATA</b>	<b>Packing Group</b>	III
	<b>UN/ID No</b>	UN1760
	<b>Proper Shipping Name</b>	Corrosive Liquid, n.o.s. (Contains Phosphoric and Glycolic Acid)
<b>IMDG</b>	<b>Hazard Class</b>	8
	<b>Packing Group</b>	III
	<b>UN/ID No</b>	UN1760
	<b>Proper Shipping Name</b>	Corrosive Liquid, n.o.s. (Contains Phosphoric and Glycolic Acid)
	<b>Hazard Class</b>	8
	<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### International Inventories

Not Determined.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/  
 European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

Chemical Name	Hazardous Substance RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Phosphoric Acid 7664-38-2	5000 lb.	N/A	RQ 5000 lb. final RQ RQ 2270 kg final RQ

#### SARA 313

Chemical Name	SARA 313 - Threshold Values %
Isopropyl Alcohol 67-63-0	1%

#### Clean Water Act (CWA)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid 7664-38-2	5000 lb.	N/A	N/A	X

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X
Phosphoric Acid 7664-38-2	X	X	X
Propylene Glycol 57-55-6	X	N/A	X

## 16. OTHER INFORMATION

### NFPA

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
2	0	0	Not Determined.

### HMIS

<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
Not Determined.	Not Determined.	Not Determined.	Not Determined.

**Issue Date**

March 2017.

**Revision Date**

February 2020.

**Revision Note**

**Disclaimer**

This Safety Data Sheet was prepared to comply with the current OSHA hazard Communication Standard adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

End of Safety Data Sheet