

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ProE-Vac™

Other Means of Identification

SDS # PVAC/SDS/102

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

Supplier Address Certol International, LLC.
6120 East 58th Avenue
Commerce City, Colorado 80022
www.Certol.com
Phone: 303-799-9401
Toll-Free: 1-800-843-3343
Fax: 303-799-9408

24 Hour Emergency Telephone

INFOTRAC: 1-800-535-5053 (North America)

INFOTRAC: 1-352-323-3500 (International)

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.
Physical & Chemical Hazards:	None Known.
Health Hazards:	Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled.
Environmental Hazards:	See section 12.

GHS Label Element

Hazard Statements	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
	H332	Harmful if inhaled.
Precautionary Statements:		
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

Inhalation	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.
Eye Contact	Immediately flush with plenty of water. Remove any contact lenses and continue flushing for several minutes and call a physician immediately.
Ingestion	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.
Skin Contact	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.
Symptoms	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.
Note to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water, CO ₂ , dry chemical or foam to extinguish.
Unsuitable Extinguishing Media	Not Determined.
Specific Hazards Arising from the Chemical	Contents are corrosive.
Protective Equipment and Precautions for Firefighters	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 ³ STEL: 500 ppm STEL: 1225 mg/m ³
		TWA: 980 mg/m ³	
		TWA: 400 ppm (Vacated)	
		TWA: 980 mg/m ³ (Vacated)	
		STEL: 500 ppm (Vacated)	
Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1225 mg/m ³ (Vacated)	
		TWA: 1 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³
		TWA: 1 mg/m ³ (Vacated)	
STEL: 3 mg/m ³ (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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

Information on Likely Routes of Exposure

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

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
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 ³ (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.

DOT

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

IATA

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

IMDG

UN/ID No UN1760
Proper Shipping Name Corrosive Liquid, n.o.s. (Contains Phosphoric and Glycolic Acid)
Hazard Class 8
Packing Group 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

Health Hazards	Flammability	Instability	Special Hazards
2	0	0	Not Determined.

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not Determined.	Not Determined.	Not Determined.	Not Determined.

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Revision Note New format

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