

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

072264463

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

072264489

**Issue Date** July 2010

**Revision Date** August 2013

**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ProE-Vac™

### Other Means of Identification

**SDS #** PVAC/SDS/I01

**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](http://www.Certol.com)

### Emergency Telephone Number

#### **Company Phone Number(s)**

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

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

### Signal Word

Danger.

### Hazard Statements

Harmful if inhaled.  
Causes severe skin burns and eye damage.

### Appearance

Pink Clear Liquid.

### Physical State

Liquid.

### Odor

Fresh.



### Precautionary Statements-Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Use only in a well-ventilated area.  
Wear protective gloves.  
Do not breathe dust/fume/gas/mist/vapors/spray.

### Precautionary Statements-Response

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

**IF SWALLOWED:** Immediately call a Poison Control Center or doctor/physician. Rinse mouth. Do not induce vomiting.

**IF EXPOSED:** Call a Poison Control Center or doctor/physician.

**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 Control Center or doctor/physician.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**IF SKIN IRRITATION OR RASH OCCUR:** Get medical advice/attention. Call a Poison Control Center or doctor/physician if you feel unwell.

## 2. HAZARDS IDENTIFICATION (continued)

### Precautionary Statements - Storage

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

**Keep out of the reach of children and pets.**

### Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

### Other Information

Toxic to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

### 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. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

### Most Important Symptoms and Effects, both Acute and Delayed

<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.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water, CO<sub>2</sub>, dry chemical or foam for extinction.

### **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.  
The wet, contaminated surface may be slippery.

#### **For Emergency Responders**

Restrict access to spill area. Ventilate the area.

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas.  
See Section 12 for additional ecological information.

### 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**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protection recommended in Section 8.  
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.**

## 7. HANDLING AND STORAGE (continued)

### Conditions for Safe Storage, Including any Incompatibilities

#### Storage Conditions

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

**Keep out of the reach of children and pets.**

#### 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 TWA: 980mg/m <sup>3</sup> TWA: 400 ppm (Vacated) TWA: 980 mg/m <sup>3</sup> (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m <sup>3</sup> (Vacated)	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Phosphoric Acid 7664-38-2	STEL: 3mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> (Vacated) STEL: 3 mg/m <sup>3</sup> (Vacated)	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

### Appropriate Engineering Controls

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits.  
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, impermeable gloves.  
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.

<u>Property</u>	<u>Values</u>	<u>Remarks * Method</u>
<b>pH</b>	< 2	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C	
<b>Boiling Point / Boiling Range</b>	212°F / 100°C	(Approximate)
<b>Flash Point</b>	Not Flammable.	
<b>Evaporation Rate</b>	< 1	(Butyl acetate = 1) (Approximate)
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.	
<b>Flammability Limits In Air</b>	Not Flammable.	
<b>Vapor Pressure</b>	Not Determined.	
<b>Vapor Density</b>	> 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	1.05 g/cc	68°F (20°C) (Water = 1)
<b>Water Solubility</b>	Completely Soluble.	
<b>Partition Coefficient</b>	See Section 12.	
<b>Autoignition Temperature</b>	Not Flammable.	
<b>Decomposition Temperature</b>	Not Determined.	
<b>Kinematic Viscosity</b>	Not Determined.	
<b>Dynamic Viscosity</b>	Not Determined.	
<b>Explosive Properties</b>	Not Explosive.	
<b>Oxidizing Properties</b>	Not Determined.	
<b>VOC Content (%)</b>	< 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

None under normal processing.

### Incompatible Materials

Alkalis. Alkaline earth metals.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<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	4396 mg/kg ( Rat )	12800 mg/kg ( Rat )	72.6 mg/L ( Rat ) 4 hr.
Phosphoric Acid 7664-38-2	1530 mg/kg ( Rat )	2730 mg/kg ( Rat )	850 mg/m <sup>3</sup> ( Rat ) 4 hr.
Glycolic Acid 79-14-1	1950 mg/kg ( Rat )	N/A	7.7 mg/L ( Rat ) 4 hr.

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, 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

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

Group 3 - Not Carcinogenic to Humans.

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

A4 - Not Classifiable as a Human Carcinogen.

### STOT - Single Exposure

Not Determined.

### STOT - Repeated Exposure

Not Determined.

### Numerical Measures of Toxicity

Not Determined.



## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic organisms.

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	0.05
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
Phosphoric Acid 7664-38-2	Corrosive
Isopropyl Alcohol 67-63-0	Toxic / Ignitable

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

#### 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	CAS No.	SARA 313 - Threshold Values %
Isopropyl Alcohol	67-63-0	1%

**15. REGULATORY INFORMATION (continued)**

**CWA (Clean Water Act)**

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**            July 2010

**Revision Date**        August 2013

**Revision Note**        New format.

**Disclaimer**

The information contained herein is furnished without warranty or legal responsibility of any kind. 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

**Issue Date** July 2010

**Revision Date** August 2013

**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ProE-Vac™

### Other Means of Identification

**SDS #** PVAC/SDS/I01

**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](http://www.Certol.com)

### Emergency Telephone Number

#### **Company Phone Number(s)**

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

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

### Signal Word

Danger.

### Hazard Statements

Harmful if inhaled.  
Causes severe skin burns and eye damage.

### Appearance

Pink Clear Liquid.

### Physical State

Liquid.

### Odor

Fresh.



### Precautionary Statements-Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Use only in a well-ventilated area.  
Wear protective gloves.  
Do not breathe dust/fume/gas/mist/vapors/spray.

### Precautionary Statements-Response

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

**IF SWALLOWED:** Immediately call a Poison Control Center or doctor/physician. Rinse mouth. Do not induce vomiting.

**IF EXPOSED:** Call a Poison Control Center or doctor/physician.

**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 Control Center or doctor/physician.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**IF SKIN IRRITATION OR RASH OCCUR:** Get medical advice/attention. Call a Poison Control Center or doctor/physician if you feel unwell.

## 2. HAZARDS IDENTIFICATION (continued)

### Precautionary Statements - Storage

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

**Keep out of the reach of children and pets.**

### Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

### Other Information

Toxic to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

### 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. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

### Most Important Symptoms and Effects, both Acute and Delayed

<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.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water, CO<sub>2</sub>, dry chemical or foam for extinction.

### 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.  
The wet, contaminated surface may be slippery.

#### **For Emergency Responders**

Restrict access to spill area. Ventilate the area.

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas.  
See Section 12 for additional ecological information.

### 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**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protection recommended in Section 8.  
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.**

## 7. HANDLING AND STORAGE (continued)

### Conditions for Safe Storage, Including any Incompatibilities

#### Storage Conditions

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

**Keep out of the reach of children and pets.**

#### 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 TWA: 980mg/m <sup>3</sup> TWA: 400 ppm (Vacated) TWA: 980 mg/m <sup>3</sup> (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m <sup>3</sup> (Vacated)	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>
Phosphoric Acid 7664-38-2	STEL: 3mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	TWA: 1mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> (Vacated) STEL: 3 mg/m <sup>3</sup> (Vacated)	IDLH: 1000 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>

### Appropriate Engineering Controls

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits.  
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, impermeable gloves.  
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.

<u>Property</u>	<u>Values</u>	<u>Remarks * Method</u>
<b>pH</b>	< 2	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C	
<b>Boiling Point / Boiling Range</b>	212°F / 100°C	(Approximate)
<b>Flash Point</b>	Not Flammable.	
<b>Evaporation Rate</b>	< 1	(Butyl acetate = 1) (Approximate)
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.	
<b>Flammability Limits In Air</b>	Not Flammable.	
<b>Vapor Pressure</b>	Not Determined.	
<b>Vapor Density</b>	> 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	1.05 g/cc	68°F (20°C) (Water = 1)
<b>Water Solubility</b>	Completely Soluble.	
<b>Partition Coefficient</b>	See Section 12.	
<b>Autoignition Temperature</b>	Not Flammable.	
<b>Decomposition Temperature</b>	Not Determined.	
<b>Kinematic Viscosity</b>	Not Determined.	
<b>Dynamic Viscosity</b>	Not Determined.	
<b>Explosive Properties</b>	Not Explosive.	
<b>Oxidizing Properties</b>	Not Determined.	
<b>VOC Content (%)</b>	< 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

None under normal processing.

### Incompatible Materials

Alkalis. Alkaline earth metals.

### Hazardous Decomposition Products

None known.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<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	4396 mg/kg ( Rat )	12800 mg/kg ( Rat )	72.6 mg/L ( Rat ) 4 hr.
Phosphoric Acid 7664-38-2	1530 mg/kg ( Rat )	2730 mg/kg ( Rat )	850 mg/m <sup>3</sup> ( Rat ) 4 hr.
Glycolic Acid 79-14-1	1950 mg/kg ( Rat )	N/A	7.7 mg/L ( Rat ) 4 hr.

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, 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

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

Group 3 - Not Carcinogenic to Humans.

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

A4 - Not Classifiable as a Human Carcinogen.

### STOT - Single Exposure

Not Determined.

### STOT - Repeated Exposure

Not Determined.

### Numerical Measures of Toxicity

Not Determined.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic organisms.

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	0.05
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
Phosphoric Acid 7664-38-2	Corrosive
Isopropyl Alcohol 67-63-0	Toxic / Ignitable

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

#### 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	CAS No.	SARA 313 - Threshold Values %
Isopropyl Alcohol	67-63-0	1%

**15. REGULATORY INFORMATION (continued)**

**CWA (Clean Water Act)**

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

<b>Health Hazards</b> Not Determined.	<b>Flammability</b> Not Determined.	<b>Physical Hazards</b> Not Determined.	<b>Personal Protection</b> Not Determined.
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**Issue Date**            July 2010

**Revision Date**        August 2013

**Revision Note**        New format.

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End of Safety Data Sheet