

Material Safety Data Sheet

ProE-Vac™ Liquid Evacuation System Cleaner

Product Prefix: PVAC

Certol[®]
International

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ISSUE DATE: July 2010 (Supersedes: April 2008)

Certol International, LLC urges each recipient of the MSDS to read it carefully to understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention, as needed to understand the data in this MSDS.

To promote safe handling, each recipient of the MSDS should: (1) notify anyone using the material of the MSDS information regarding hazards or safety; (2) furnish the MSDS information to customers purchasing the product; and (3) request the customers furnish MSDS information to all users.

Emergency and First Aid Procedures

Swallowing: Rinse mouth and throat thoroughly with water. Drink large amounts of water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

Skin Contact: Wash skin with flowing water or shower. If irritation persists, seek medical attention.

Inhalation: Remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

Eye Contact: Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

1. Identification

Product Name: ProE-Vac™

Chemical Name: Blend

2. Hazards

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
Phosphoric Acid	7664-38-2
Glycolic Acid	79-14-1
Isopropyl Alcohol (IPA)	67-63-0

3. Physical Data

Appearance: Clear pink liquid

Odor: Fresh

Solubility In Water by Wt.: Complete

Boiling Point: Above 212°F (100°C)

Freezing Point: Below 32°F (0°C)

Vapor Density: (Air = 1) > 1

Vapor Pressure @ 68°F (20°C): N/A

Evaporation Rate (BuAc = 1): < 1

Specific Gravity: 1.05 @ 68°F (20°C)

pH: < 2 @ 68°F (20°C)

VOC: %: < 10 (approximate)

4. Fire And Explosion Hazard

Flash Point: Not flammable

Flammable Limits In Air: N/A

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective equipment.

Unusual Fire And Explosion Hazards: None known

Extinguishing Media: CO₂, dry foam, dry chemical or water as needed to extinguish surrounding fire.

Auto Ignition Temperature: N/A

5. Health Hazard Data

COMPONENT	OSHA / PEL	ACGIH / TLV
Phosphoric Acid	1 mg/m ³	1 mg/m ³
Glycolic Acid	No data found	No data found
Isopropyl Alcohol	400 ppm	200 ppm

Effect of Overexposure:

Swallowing: Severe irritation and burns

Skin Contact: Severe irritation and burns

Inhalation: May cause irritation of mucous membranes

Eye Contact: Severe eye irritation and burns

Carcinogenicity:

NTR: No

IARC: No

OSHA: No

6. Reactivity Data

Stability: Stable at normal conditions

Conditions To Avoid: None known

Incompatibility (Materials To Avoid): Alkali and alkali earth metals

Hazardous Combustion Or Decomposition Products: May emit toxic fumes of phosphorous oxide

Hazardous Polymerization: Will not occur

7. Spill, Leak, and Waste Disposal Procedures

Steps To Be Taken If Material Is Released or Spilled:

Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water. The wet, contaminated surface may be slippery.

Waste Disposal Method: Dispose according to all local, state, and federal regulations.

8. Handling and 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 reach of children.

9. Special Protection Information

Respiratory Protection: A mask is recommended. A respirator may be used if vapor concentration is high.

Ventilation: Local exhaust or normal facility ventilation

Protective Gloves: Water resistant gloves

Eye Protection: Safety glasses, goggles or face shield

Protective Clothing: No special clothing required

Other Protective Equipment: An eyewash station should be nearby and ready for use.

10. Regulation Information

Status on Substance List: None known

Federal EPA: None

State Right-to-Know: None known

SARA: SARA Section 311/312, IPA

11. Transportation Data

Proper Shipping Name: Corrosive liquid, n.o.s. (contains phosphoric and glycolic acid)

D.O.T.: Class 8, UN 1760, PG III

Quarts and gallons = ORM-D Consumer Commodity

Bulk quantities of 5 gallons or more = Corrosive

CHEMICAL WARNING LABELS

Required on containers, tubs and bottles, which are filled from original containers with potentially hazardous substances.

Hazard rating corresponding to the NFPA Rating System.

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant

<u>NFPA HAZARD RATING</u>
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 0

Chemical Warning Label - Certol International, LLC.

ProE-Vac™

No wall reference is necessary.

Product Name: ProE-Vac™

Hazardous Chemicals: Phosphoric acid, glycolic acid, isopropyl alcohol

Personal Protection: Mask, water resistant gloves, safety glasses, goggles or face shield

<u>ROUTE OF ENTRY</u>	<u>HEALTH HAZARD</u>	<u>FIRE HAZARD</u>
<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Irritant	<input type="checkbox"/> Below 73°F (23°C)
<input checked="" type="checkbox"/> Ingestion	<input type="checkbox"/> Carcinogen	<input type="checkbox"/> Below 100°F (38°C)
<input checked="" type="checkbox"/> Skin/eye absorption	<input type="checkbox"/> Toxic	<input type="checkbox"/> Above 100°F (38°C) & not > 200°F (93°C)
	<input type="checkbox"/> Sensitizer	<input type="checkbox"/> Above 200°F (93°C)
	<input type="checkbox"/> Normal Material	<input checked="" type="checkbox"/> Will not burn
<u>TARGET ORGAN EFFECTS</u>	<u>PHYSICAL HAZARD</u>	<u>REACTIVITY</u>
<input checked="" type="checkbox"/> Respiratory	<input type="checkbox"/> Oxidizer	<input type="checkbox"/> May detonate
<input type="checkbox"/> Heart	<input checked="" type="checkbox"/> Acid	<input type="checkbox"/> Shock and heat may detonate
<input type="checkbox"/> Kidney	<input type="checkbox"/> Alkali	<input type="checkbox"/> Violent chemical change
<input checked="" type="checkbox"/> Eyes	<input checked="" type="checkbox"/> Corrosive	<input type="checkbox"/> Unstable if heated
<input checked="" type="checkbox"/> Skin	<input type="checkbox"/> Use no water	<input checked="" type="checkbox"/> Stable
<input type="checkbox"/> Prostate	<input type="checkbox"/> Radioactive	
<input type="checkbox"/> Blood		
<input type="checkbox"/> Liver		
<input type="checkbox"/> CNS		
<input type="checkbox"/> Other		

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