

# \*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

## PARKSIDE PROFESSIONAL PRODUCTS

4777 Kent Avenue  
Niagara Falls, Ontario L2H 1J5  
**PHONE:** (905) 358-8364

## PRODUCT NAME: VESTEC 970

**PRODUCT USE:** Hydrogen Peroxide  
**PRODUCT CODE:** FLD970  
**FAX:** (905) 358-9680

## HMIS RATINGS:

Health	3
Flammability	3
Reactivity	3
PPE	B

**EMERGENCY TELEPHONE NUMBER:** CANUTEC (613) 996-6666

**Preparation Date:** December 1, 2014

## SECTION 1 - Regulatory Information

**WHMIS Classification:** C, E, F

**TDG Classification:** Hydrogen Peroxide Aqueous Solution Class 5.1(8) UN2014 PGII

## SECTION II - Hazardous Ingredients

Chemical Name	Wt/Wt%	CAS #	TLV	LD50(mg/kg)	LC50
Hydrogen Peroxide	10-30	7722-84-1	Not Available	>1232 Rat > 2000 Rabbit	>2000 ppm Rat

## SECTION III - Physical Data

<b>Physical State:</b> Liquid	<b>Specific Gravity:</b> 1.130	<b>Vapour Pressure (mm Hg @30°C):</b> 18-24
<b>Viscosity (cps) @ 25°C:</b> Water Thin	<b>pH:</b> 3 ± 0.5	<b>Odour/Appearance:</b> Pungent/Clear Colourless
<b>Freezing Point:</b> -33°C	<b>Odour Threshold:</b> Not Available	<b>Coefficient of Water/Oil Distribution:</b> Not Available
<b>Vapour Density:</b> Not Available	<b>Evaporation Rate:</b> >1	<b>Boiling Point (°C @ 1 atm):</b> 108

## SECTION IV - Fire or Explosion Hazard

<b>Upper Flammable Limit:</b> Not Applicable	<b>Lower Flammable Limit:</b> Not Applicable
<b>Flash Point &amp; Test Method:</b> Not Applicable	<b>Auto-Ignition Temperature:</b> Not Available
<b>Conditions of Flammability:</b> Not Flammable	<b>Means of Extinction:</b> Use only water.
<b>Sensitivity to Mechanical Impact:</b> Not Applicable	<b>Sensitivity to Static Discharge:</b> Not Applicable

**Hazardous Combustion Products:** Will not burn, but decomposes in heat of fire, releasing O<sub>2</sub> and increasing explosion risk. Strong oxidizer. Contact with combustibles or clothing may cause fire. Contact with organic liquids or vapours may cause immediate fire or explosion, especially if heated. Under certain circumstances, detonation may be delayed.

## SECTION V - Reactivity Data

**Hazardous Decomposition Products:** Oxygen, water vapour. **Conditions of Reactivity:** Heat of fire causes decomposition.

**Conditions of Chemical Instability:** Unstable with heat or contamination, liberation of O<sub>2</sub> may result in dangerous pressures.

**Special Shipping Information:** See TDG classification for proper shipping name.

**Storage Requirements:** Store in properly vented container or in approved bulk storage facilities. Do not block vents. Do not store on wooden pallets. Store away from incompatible materials. NEVER RETURN UNUSED PEROXIDE TO CONTAINER.

**Incompatible Substances:** Most flammables, cyanide, nitric acid, potassium permanganate, oxidizing and reducing agents, mixtures of both organics and acids.

## SECTION VI - Toxicological Properties

**Routes of Entry:** Eyes, Skin Contact, Ingestion, Inhalation **Irritancy of Product:** Hazardous by WHMIS Criteria

**Effects of Acute Exposure:** Eye Contact - **CORROSIVE.** Causes severe irritation, ulceration of the cornea and loss of vision.  
Skin Contact - **CORROSIVE.** Causes severe irritation and burns. Can bleach skin and hair.  
Inhalation - **CORROSIVE.** Concentrated vapours can cause irritation of nose and throat with chest discomfort, coughing and shortness of breath. May be fatal.  
Ingestion - **CORROSIVE.** Causes irritation of gastrointestinal tract, with pain and distention. May be fatal.

**Effects of Chronic Exposure:** Skin - Causes irritation with discomfort or rash. Prolonged or repeated exposure can cause burns or ulcerations.  
Inhalation - Causes red blood cell destruction. Has caused gas embolisms and gangrene of intestines at low concentrations.

**Carcinogenicity:** Insufficient evidence in humans, but may be carcinogenic to mice. **Teratogenicity:** Not Available

**Mutagenicity:** Not Available **Reproductive Effects:** Not Available

**Sensitization:** Not Available **Synergistic Materials:** Not Available

## SECTION VII - First Aid Measures

**Eye Contact:** Immediately flush with water for 15 minutes. Contact a physician.

**Skin Contact:** Immediately flush with water for 15 minutes. Contact a physician.  
Completely decontaminate clothing, shoes and leather goods before reuse, or discard.

**Inhalation:** Remove to fresh air. Contact a physician.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink several glasses of water. Contact a physician.  
Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

## SECTION VIII - Protective Equipment

**Personal Protective Equipment:**

**Eyes:** Safety Glasses **Gloves:** Impermeable

**Respiration:** Where airborne concentrations are expected to exceed guidelines, use NIOSH/MSHA-approved respirators.

**Ventilation:** Good ventilation should be provided to keep peroxide concentration below exposure limits.

**Special Measures:** Avoid contamination. Avoid any contact with the product.

## SECTION IX - Spill/Leak Procedures

**Procedures for Leaks or Spills:** Review fire and explosion hazards and safety precautions before proceeding with clean up. Wash area with water. May be destroyed with sodium metabisulfite or sodium sulphite (1.9 lbs/lb peroxide) AFTER diluting to 5 to 10% peroxide.

**Waste Disposal:** Review Federal, Provincial and local government requirements prior to disposal.

## SECTION X - Preparation Information

**Manufacturer/Supplier:** Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364

**Preparer:** Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364

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