

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Virox 5 (Concentrate)
Product Use: Disinfectant Cleaner
WHMIS Class: Exempt - Registered product - (DIN 02239828)
TDG Classification: Disinfectant, Liquid, Corrosive, n.o.s. (Hydrogen peroxide, Phosphoric acid); Class 8; UN1903; PGIII
Manufacturer: Virox Technologies Inc.
 2815 Bristol Circle, Unit 4
 Oakville, ON L6H 6X5 CA
 Phone (905) 813-0110
Supplier: JohnsonDiversey Canada Inc.
 2401 Bristol Circle
 Oakville, ON L6H 6P1 CA
 Phone 1-800-842-2341

LEGEND HMIS		Health	/	3
Severe	4	Flammability		0
Serious	3	Physical Hazard		0
Moderate	2	Personal Protection		B
Slight	1			
Minimal	0			

SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient(s)</u>	<u>CAS #</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Phosphoric acid	7664-38-2	1 - 5	1 mg/m3 - TWA; 3 mg/m3 - STEL	Not available	1530 mg/kg rat
Dodecylbenzenesulfonic acid	27176-87-0	1 - 5	Not established	Not available	650 mg/kg rat
1-Hydroxyethylidene-1,1-diphosphonic acid	2809-21-4	3 - 7	Not established	Not available	1800 mg/kg rat
Hydrogen peroxide	7722-84-1	5 - 10	1.4 mg/m3 - TWA	2000 mg/m3 rat	75 mg/kg rat

SECTION III - PHYSICAL DATA

Boiling Point:	Not available	Specific Gravity:	1.065 @25°C
Freezing Point:	Not available	Coefficient of Water/Oil	Not available
Vapour Pressure:	Not available	Distribution:	
Vapour Density:	Not available	% Volatile:	Not available
Solubility in Water:	Complete	Evaporation Rate:	Not available
Physical State:	Liquid	pH:	0.75 - 1
Appearance:	Clear colourless	Viscosity:	Water thin
Odour:	Odourless.	Odour Threshold:	Not available

SECTION IV - FIRE AND EXPLOSION DATA

Flammability:	Not flammable by WHMIS criteria.		
Flash Point:	Not available	LEL:	Not available
		UEL:	Not available
Hazardous Combustion Products:	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Hydrogen sulphide. Oxides of phosphorus. Oxygen.		
Autoignition Temperature:	Not available		
Explosion Data:			
Sensitivity to Mechanical Impact:	Not available		
Sensitivity to Static Discharge:	Not available		
Means of Extinction:	Treat for surrounding material.		
Special Fire Hazards:	Firefighters should wear a self-contained breathing apparatus.		

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability:	Stable under recommended storage conditions.
Incompatible Materials:	Oxidizers. Reducing agents. Acids. Caustics.
Reactivity:	Do not mix with chlorine bleach.
Hazardous Decomposition Products:	May include and are not limited to: Oxides of carbon. Oxides of sulphur. Hydrogen sulphide. Oxides of phosphorus. Oxygen when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: Corrosive. May cause burns.
Skin: Corrosive. May cause burns.

Inhalation: Not a normal route of exposure.

Ingestion: Corrosive. Harmful if swallowed. May cause burns and other medical problems.

EFFECTS OF CHRONIC EXPOSURE:

Skin:	Prolonged or repeated exposure to dilutions may cause skin drying in sensitive individuals.
Irritancy:	May cause burns.
Respiratory Tract Sensitization:	Non-hazardous by WHMIS criteria.
Carcinogenicity:	Non-hazardous by WHMIS criteria.
Teratogenicity:	Non-hazardous by WHMIS criteria.
Mutagenicity:	Non-hazardous by WHMIS criteria.
Reproductive Effects:	Non-hazardous by WHMIS criteria.
Synergistic Materials:	None known.

SECTION VII - PREVENTATIVE MEASURES

Gloves:	Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection:	Safety goggles or glasses.
Respiratory Protection:	Not normally required if good ventilation is maintained and exposure guidelines are not exceeded.
Other Protective Equipment:	As required by employer code.
Engineering Controls:	General ventilation normally adequate.
Leak and Spill Procedure:	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal:	Review federal, provincial, and local government requirements prior to disposal.
Handling Requirements:	Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage Requirements:	Keep out of reach of children. Avoid storage at elevated temperatures.

SECTION VIII - FIRST AID

Eye:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention immediately.
Skin:	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation develops or persists.
Inhalation:	Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 15-Jul-2005

Expiry Date: 15-Jul-2008

Prepared By: Dell Tech Laboratories Ltd. (519) 858-5021

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.