

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: CHEMLAND OXY-FOAM Cleaner
Product Use: Cleaner
WHMIS Class: Class E:Corrosive liquid; Class 2B:Other toxic effects
TDG Classification: Not regulated as dangerous goods.
Manufacturer: Virox Technologies Inc.
2815 Bristol Circle, Unit 4
Oakville, ON L6H 6X5 CA
Phone (905) 813-0110
Supplier: DeLaval Inc.
501 Santa Fe
Kansas City, MO 64105
Phone 1-816-421-0366

LEGEND HMIS		Health	Flammability	Physical Hazard	Personal Protection
Severe	4	/	0	0	B
Serious	3				
Moderate	2				
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 ppm - TWA	2000 mg/m3 rat; 75 mg/kg rat; 2 mg/l/4h rat	801 mg/kg rat

SECTION III - PHYSICAL DATA

Boiling Point:	Not available	Specific Gravity:	1.06 @25°C
Freezing Point:	Not available	Coefficient of Water/Oil Distribution:	Not available
Vapour Pressure:	Not available	% Volatile:	Not available
Vapour Density:	Not available	Evaporation Rate:	Not available
Solubility in Water:	Complete	pH:	0.75 - 1
Physical State:	Liquid	Viscosity:	Water thin
Appearance:	Clear colourless	Odour Threshold:	Not available
Odour:	Odourless.		

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:** Contact with product concentrate may cause chemical burns. Contact with dilutions may cause irritation.
- Skin:** Contact with product concentrate may cause mild irritation.
- Inhalation:** Not a normal route of exposure.
- Ingestion:** 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 irritation.
- 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: 12-April-2007

Expiry Date: 12-April-2010

Prepared By: Virox Technologies Inc. (905) 813-0110

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.