

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** OPTIM CS  
**Product Use:** Chemosterilant and high level disinfectant  
**WHMIS Class:** Exempt - Registered product - (DIN 02268787)  
**TDG Classification:** Not regulated as dangerous goods.  
**Manufacturer:** Virox Technologies Inc.  
2770 Coventry Road  
Oakville, ON L6H 6R1 CA  
Phone (905) 813-0110  
**Supplier:** SciCan (Division of Lux & Zwingenberger Ltd.)  
1440 Don Mills Road  
Toronto, ON M3B 3P9 CA  
Phone: (800) 667-7733

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

## SECTION II - HAZARDOUS INGREDIENTS

Not applicable to DIN products. Refer to product label for active ingredient content.

## SECTION III - PHYSICAL DATA

<b>Boiling Point:</b>	Not available	<b>Specific Gravity:</b>	1.058-1.063 @ 25°C
<b>Freezing Point:</b>	Not available	<b>Coefficient of Water/Oil Distribution:</b>	Not available
<b>Vapour Pressure:</b>	Not available	<b>% Volatile:</b>	Not available
<b>Vapour Density:</b>	Not available	<b>Evaporation Rate:</b>	Not available
<b>Solubility in Water:</b>	Complete	<b>pH:</b>	2.4 - 2.9
<b>Physical State:</b>	Liquid	<b>Viscosity:</b>	Water thin
<b>Appearance:</b>	Clear light yellow	<b>Odour Threshold:</b>	Not available
<b>Odour:</b>	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:** Decomposition releases oxygen which may intensify fire.  
**Autoignition Temperature:** Not available  
**Explosion Data:**  
    **Sensitivity to Mechanical Impact:** Not available  
    **Sensitivity to Static Discharge:** Not available  
**Means of Extinction:** This product is not flammable. Extinguish fire using agents suitable for surrounding fire.  
**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:** Acids. Bases. Oxidizers. Reducing agents.  
**Reactivity:** Do not mix with chlorinated products.  
**Hazardous Decomposition Products:** Decomposition releases oxygen which may intensify fire.

## SECTION VI - TOXICOLOGICAL PROPERTIES

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion.

### EFFECTS OF ACUTE EXPOSURE:

**Eye:** Causes severe irritation or chemical burns based on test data.  
**Skin:** May be slightly irritating to skin based on test data.

**Inhalation:** No data available.

**Ingestion:** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE:**

**Skin:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.  
**Irritancy:** Hazardous by WHMIS criteria.  
**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:** Not available

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**SECTION VII - PREVENTATIVE MEASURES**

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**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. Large spills, greater than 5 gallons, 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. Do not get this material in your eyes, on your skin, or on your clothing.  
**Storage Requirements:** Keep out of reach of children. Avoid storage at elevated temperatures.

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**SECTION VIII - FIRST AID**

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**Eye:** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.  
**Skin:** Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation 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.

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**SECTION IX - PREPARATION INFORMATION**

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**Effective Date:** 15-Oct-2008

**Expiry Date:** 15-Oct-2011

**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.