

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: OPTIM CS Chemosterilant and High Level Disinfectant
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.
2815 Bristol Circle, Unit 4
Oakville, ON L6H 6X5 CA
Phone (905) 813-0110
Supplier: SciCan (Division of Lux & Zwingenberger Ltd.)
1440 Don Mills Road
Toronto, ON M3B 3P9 CA

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

Boiling Point:	Not available	Specific Gravity:	1.05 @ 21°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:	2.5
Appearance:	Clear light yellow	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.
Autoignition Temperature: Not available
Explosion Data:
 Sensitivity to Mechanical Impact: Not available
 Sensitivity to Static Discharge: Not available
Means of Extinction: Small Fires: Dry chemical, CO2, water spray or regular foam.
Large Fires: Water spray, fog or regular foam.
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 other chemicals.
Hazardous Decomposition Products: May include and are not limited to: Oxides of carbon. Oxides of sulphur. Hydrogen sulphide. Oxides of phosphorus. Oxygen.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: Causes severe irritation or chemical burns based on test data.
Skin: Substance may cause slight skin irritation.
Inhalation: No data available.
Ingestion: May cause stomach distress, nausea or vomiting.

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

SECTION VII - PREVENTATIVE MEASURES

Gloves:	Rubber, latex or nitrile 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. Do not get this material in your eyes, on your skin, or on your clothing.
Storage Requirements:	Keep out of the reach of children. Store in a closed container away from incompatible materials. Avoid storage at elevated temperatures.

SECTION VIII - FIRST AID

Eye:	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
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.

SECTION IX - PREPARATION INFORMATION

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