

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Optim 33 TB (US)
Product Use: Disinfectant
DOT Classification: Not regulated as dangerous goods.
Manufacturer: Virox Technologies Inc.
2770 Coventry Road
Oakville, ON L6H 6R1 CA
Phone (905) 813-0110
Supplier: SciCan Ltd.
1440 Don Mills Road
Toronto, ON M3B 3P9 CA
Phone: 1 800-667-7733

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

SECTION II - HAZARDOUS INGREDIENTS

Composition Comments: This product is listed on the U.S. EPA TSCA Inventory.
EPA registration number 74559-1-83259

SECTION III - PHYSICAL DATA

Boiling Point:	Not available	Specific Gravity:	1.01 @ 20°C
Freezing Point:	Not available	Coefficient of Water/Oil Distribution:	Not available
Vapor Pressure:	Not available	% Volatile:	Not available
Vapor Density:	Not available	Evaporation Rate:	Not available
Solubility in Water:	Complete	pH:	2.5 - 3.5
Physical State:	Liquid	Viscosity:	1.122 cSt @ 20°C
Appearance:	Clear colorless	Odor Threshold:	Not available
Odor:	Not available		

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by OSHA criteria.
Flash Point: None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: None known
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.
Incompatible Materials: Do not mix with bleach or any other chemical.
Reactivity, and Under What Conditions: Do not mix with other chemicals.
Hazardous Decomposition Products: None reasonably foreseeable.

SECTION VI - TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE:

Eye: Non-irritating by OSHA and EPA OPPTS criteria.
Skin: Non-irritating by OSHA and EPA OPPTS criteria.
Inhalation: Not a normal route of exposure. LC50 (albino rats) greater than 2.59 mg/L
Ingestion: Oral LD50 (albino rats) estimated greater than 5000 mg/Kg as per EPA OPPTS test. Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

EFFECTS OF CHRONIC EXPOSURE:

Skin: Non-hazardous by OSHA criteria.
Irritancy: Non-hazardous by OSHA criteria.

Respiratory Tract Sensitization:	Non-hazardous by OSHA criteria.
Carcinogenicity:	Non-hazardous by OSHA criteria.
Teratogenicity:	Non-hazardous by OSHA criteria.
Mutagenicity:	Non-hazardous by OSHA criteria.
Reproductive Effects:	Non-hazardous by OSHA criteria.
Synergistic Materials:	Not available

SECTION VII - PREVENTATIVE MEASURES

Gloves:	Not normally required.
Eye Protection:	Not normally required.
Respiratory Protection:	Not normally required
Other Protective Equipment:	As required by employer code.
Engineering Controls:	General ventilation normally adequate.
Leak and Spill Procedure:	Before attempting cleanup, refer to hazard data given above. Small spills: Flush into sewage system in accordance with local regulations. Large (>5Gal.): soak with inert materials. Store in close containers.
Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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. Store in a closed container away from incompatible materials. 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 if irritation persists.
Skin:	Obtain medical attention if irritation develops or persists.
Inhalation:	Not a normal route of exposure.
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: 11-August-2008 **Expiry Date:** 11-August-2011
Prepared By: Virox Technologies Inc. (905) 813-0110

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