

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Optim 33 TB with Aloe Vera
Product Use: Disinfectant Cleaner
WHMIS Class: Exempt - Registered product - (DIN 02282488)
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 Ltd.
1440 Don Mills Road
Toronto, ON M3B 3P9 CA

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

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

SECTION III - PHYSICAL DATA

Boiling Point:	100 °C (212.00 °F)	Specific Gravity:	1.005 - 1.015 @21°C (H2O =1)
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:	2.5 - 3.5
Physical State:	Liquid	Viscosity:	Water thin
Appearance:	Clear, colourless liquid	Odour Threshold:	Not available
Odour:	Aloe Vera		

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable by WHMIS criteria.
Flash Point: None **LEL:** Not applicable **UEL:** Not applicable
Hazardous Combustion Products: None known.
Autoignition Temperature: Not applicable
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.
Incompatible Materials: Hazardous vapours may be produced when mixed with chlorinated detergents or sanitizers.
Reactivity: Do not mix with chlorine bleach.
Hazardous Decomposition Products: None known.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

Eye: Non-irritating based on test data.
Skin: Non-irritating based on test data.
Inhalation: Not a normal route of exposure. LC50 (Albino rat) greater than 2.59 mg/L.
Ingestion: Oral LD 50 estimated greater than 5000 mg/kg (Albino rat). Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

EFFECTS OF CHRONIC EXPOSURE:

Skin:	Prolonged or repeated exposure may cause skin drying in sensitive individuals.
Irritancy:	Non-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:	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 Spill: Flush into sewage system in accordance with local regulations. Large Spill: Soak with inert absorbent material. Store in closed container for disposal.
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 if irritation persists.
Skin:	Flush with cool 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: 11-August-2008

Expiry Date: 11-August-2011

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

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