

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** Optim 33 TB  
**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  
Phone: (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

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>	1.01 @21°C (H2O =1)
<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>	2.5 - 3.5
<b>Physical State:</b>	Liquid	<b>Viscosity:</b>	Water thin
<b>Appearance:</b>	Clear, colourless Liquid	<b>Odour Threshold:</b>	Not available
<b>Odour:</b>	Characteristic		

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Not flammable by WHMIS criteria.  
**Flash Point:** > 93.3 °C (> 199.94 °F)      **LEL:** Not applicable      **UEL:** Not applicable  
**Hazardous Combustion Products:** None known.  
**Autoignition Temperature:** Not applicable  
**Explosion Data:**  
    **Sensitivity to Mechanical Impact:** Not applicable.  
    **Sensitivity to Static Discharge:** Not applicable.  
**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 any other cleaning or disinfecting product.  
**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 rats) > 2.59 mg/L  
**Ingestion:** This product is non-toxic by OECD criteria. (LD50 > 5000 mg/kg) 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:** Small spills (<5 gallons) can be flushed into sewage system in accordance with local regulations. Prevent large spills (>5 gallons) from entering sewers or waterways. Use non-reactive absorbent and place in suitable, covered, labelled containers. 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 if irritation persists.  
**Skin:** Flush with cool water. Obtain medical attention if irritation develops or persists.  
**Inhalation:** No specific first aid measures are required.  
**Ingestion:** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

---

**SECTION IX - PREPARATION INFORMATION**

---

**Effective Date:** 01-May-2009  
**Expiry Date:** 01-May-2012  
**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.