



MATERIAL SAFETY DATA SHEET

**1.0 PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Optim 33 TB with Aloe Vera

**Product Use:** Disinfectant Cleaner

**Manufacturer:** Virox Technologies Inc

**Address:** 2770 Coventry Road  
Oakville, Ontario L6H 6R1  
Phone: (905) 813-0110

**Supplier:** SciCan Ltd.

**Address:** 1440 Don Mills Road  
Toronto, Ontario M3B 3P9

**Date MSDS Prepared:** Aug. 16, 2011

Legend		HMIS		NFPA
Severe	4	Health	0	0
Serious	3	Fire Hazard	0	0
Moderate	2	Reactivity	0	0
Slight	1	Personal	n/a	
Minimal	0	Protection		

**2.0 INFORMATION ON INGREDIENTS**

**Hazardous components:** Not applicable to DIN products. Refer to product label for active ingredient content.

**3.0 PHYSICAL DATA**

**Physical State:** Liquid

**Appearance:** Clear, colourless liquid

**pH:** 2.5 – 3.5

**Viscosity:** Water thin

**Boiling Point:** 100°C (212.00°F)

**Vapour Pressure:** Not available

**Evaporation Rate:** Not available

**Coefficient of Water/Oil**

**Distribution:** Not available

**Odour:** Aloe Vera

**Density:** 1.005 – 1.015kg/L @ 20°C

**Solubility in Water:** Complete

**Odour Threshold:** Not available

**Freezing Point:** Not available

**Vapour Density:** Not available

**VOC (% as):** 0.0%

\*-Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Productions, Sections 94508

**4.0 FIRE AND EXPLOSION DATA**

**Flammability:** Not flammable by WHMIS criteria.

**Means of extinction:** This product is not flammable. Treat for surrounding material.

**Flash point:** >200°F (93.4°C).

**Auto-Ignition Temperature:** Not applicable.

**Explosion Data- Sensitivity to Impact:** Not applicable.

**Explosion Data- Sensitivity to Static Discharge:** Not applicable.

**Hazardous Combustion Products:** None known.

**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 5.0 REACTIVITY DATA

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**Chemical Stability:** Stable.

**Incompatible Materials:** Hazardous vapours may be produced when mixed with chlorinated detergents or sanitizers.

**Reactivity:** Do not mix with chlorinated products.

**Hazardous Decomposition Products:** None known.

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## 6.0 TOXICOLOGICAL PROPERTIES

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

### **Effects of Acute Exposure:**

Eye contact: Non-irritating based on test data.

Skin contact: Non-irritating based on test data.

Inhalation: Not a normal route of exposure. LC50 (Albino rat) is estimated to be greater than 20mg/L<sup>2</sup>.

Ingestion: Oral LD50 estimated greater than 5000mg/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 Sensitization: Not a skin sensitizer.

Dermal Toxicity: Non-hazardous by WHMIS criteria. (Dermal LD50 estimated to be greater than 2000mg/kg).

Irritancy: Non-hazardous by WHMIS criteria.

Respiratory Tract Sensitization: Non-hazardous by WHMIS criteria.

### **Specific effects**

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: None known.

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## 7.0 PREVENTIVE MEASURES

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### **Personal Protective Equipment**

**Hand Protection:** No special equipment under normal use conditions.

**Eye Protection:** No special equipment under normal use conditions.

**Skin and Body Protection:** No special equipment under normal use conditions.

**Respiratory Protection:** No special equipment under normal use conditions.

**Other protective equipment:** Handle in accordance with good industrial hygiene and safety practices.

**Engineering Controls:** General ventilation normally adequate.

**Leak and Spill Procedure:** Before attempting clean up, refer to hazard data given above. 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 for disposal. Contact supplier for advice.

**Waste Disposal:** Review federal, provincial, and local government requirements prior to disposal.

**Handling Requirements:** Handle in accordance with good industrial hygiene and safety practices. Do not smoke, eat, or drink in handling area. Do not get this material in your eyes, on your skin or on your clothing.

**Storage Requirements:** Protect from freezing and avoid storage at elevated temperatures. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of reach of children.

**Shipping Information/TDG Classification:** Not regulated as dangerous goods.

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**8.0 FIRST AID MEASURES**

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**Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical assistance if irritation persists.

**Skin:** Flush with cool water if irritation develops.

**Inhalation:** No specific first aid measures are required.

**Ingestion:** No specific first aid measures are required.

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**9.0 PREPARATION INFORMATION**

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**Date:** August 16, 2011

**MSDS Prepared by:** Virox Technologies Inc

**Telephone:** 1-800-387-7578

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