

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION

**Product Name:** Optim 33 TB  
**Product Use:** Disinfectant  
**DOT Classification:** Not regulated as dangerous goods.  
**Manufacturer/Supplier:** Virox Technologies Inc.  
2815 Bristol Circle, Unit 4  
Oakville, ON L6H 6X5 CA  
Phone (905) 813-0110

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

## SECTION III - PHYSICAL DATA

<b>Boiling Point:</b>	Not available	<b>Specific Gravity:</b>	1.01 @ 20°C
<b>Freezing Point:</b>	Not available	<b>Coefficient of Water/Oil Distribution:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>% Volatile:</b>	Not available
<b>Vapor 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>	1.122 cSt @ 20°C
<b>Appearance:</b>	Clear colorless	<b>Odor Threshold:</b>	Not available
<b>Odor:</b>	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:** May include and are not limited to: Oxides of carbon.  
**Autoignition Temperature:** Not available  
**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:** Do not mix with bleach or any other chemical.  
**Reactivity, and Under What Conditions:** Do not mix with other chemicals.  
**Hazardous Decomposition Products:** May include and are not limited to: Oxides of carbon.

## SECTION VI - TOXICOLOGICAL PROPERTIES

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

### EFFECTS OF ACUTE EXPOSURE:

**Eye:** Non-irritating by OSHA criteria.  
**Skin:** Non-irritating by OSHA criteria.  
**Inhalation:** Not a normal route of exposure.  
**Ingestion:** This product is non-toxic by OSHA criteria. 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.

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

## SECTION VII - PREVENTATIVE MEASURES

<b>Gloves:</b>	Not normally required.
<b>Eye Protection:</b>	Not normally required.
<b>Respiratory Protection:</b>	Not normally required
<b>Other Protective Equipment:</b>	As required by employer code.
<b>Engineering Controls:</b>	General ventilation normally adequate.
<b>Leak and Spill Procedure:</b>	Before attempting cleanup, refer to hazard data given above. Flush into sewage system in accordance with local regulations.
<b>Waste Disposal:</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Handling Requirements:</b>	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.
<b>Storage Requirements:</b>	Keep out of reach of children. Store in a closed container away from incompatible materials. Avoid storage at elevated temperatures.

## SECTION VIII - FIRST AID

<b>Eye:</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin:</b>	Obtain medical attention if irritation develops or persists.
<b>Inhalation:</b>	Not a normal route of exposure.
<b>Ingestion:</b>	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:** 24-March-2006                      **Expiry Date:** 24-March-2009  
**Prepared By:** Virox Technologies Inc. (905) 813-0110

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