

# Optim CS

## SECTION 1. IDENTIFICATION

**Product Identifier** Optim CS  
**Recommended Use** Chemosterilant and high level disinfectant  
**Supplier Identifier** SciCan Ltd, 1440 Don Mills road, Toronto, ON, M3B 3P9, 1-800-667-7733  
**Emergency Phone No.** SciCan Ltd, 1-800-667-7733  
**SDS No.** 053011

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

**Classification**

Acute toxicity (Oral) - Category 5; Skin irritation - Category 3; Eye irritation - Category 2A

**Label Elements**



**Signal Word:**

Warning

**Hazard Statement(s):**

May be harmful if swallowed.

Causes mild skin irritation.

Causes serious eye irritation.

**Precautionary Statement(s):**

**Prevention:**

Wash hands thoroughly after handling.

Wear eye protection/face protection.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage:**

See Section 7 for Handling and Storage information.

**Disposal:**

See Section 13 for Disposal Considerations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Hydrogen peroxide	7722-84-1	7	

## SECTION 4. FIRST-AID MEASURES

**First-aid Measures**

**Inhalation**

Not a normal route of exposure.

**Skin Contact**

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap. Get medical advice or attention if you feel unwell or are concerned.

### Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

### Ingestion

Have victim rinse mouth with water. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do NOT induce vomiting.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Decomposition releases oxygen, which may intensify fire.

### Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Before attempting clean-up, refer to hazard data. Prevent large spills from entering sewers or waterways. Review federal, provincial and local government requirements prior to disposal. Contact emergency services and supplier for advice.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Use water rinse for final cleanup.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Use good industrial hygiene practices in handling this material. Avoid contact with eyes, skin and clothing. Prevent accidental contact with incompatible chemicals. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

### Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place. Store in an area that is out of direct sunlight. Avoid storage at elevated temperatures. KEEP OUT OF REACH OF CHILDREN.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydrogen peroxide	1 ppm		1 ppm			

### Appropriate Engineering Controls

General ventilation is usually adequate.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles.

#### Skin Protection

Wear natural or butyl rubber, nitrile or neoprene gloves.

#### Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

**Appearance** Light yellow liquid.

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<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not available
<b>pH</b>	2.4 - 2.9
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	> 93 °C
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.058 - 1.063 at 25 °C
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>%VOC</b>	0.0%

## SECTION 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Refer to incompatible materials.

### Incompatible Materials

Strong bases, reducing agents, oxidizing agents. Do not mix with other cleaning or disinfecting products.

### Hazardous Decomposition Products

Decomposition releases oxygen, which may intensify fire.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Skin contact; eye contact; ingestion.

### Acute Toxicity

LC50 (Inhalation): >9.54mg/L/4hr

LD50 (Oral): >3000mg/kg

LD50 (Dermal): >5000mg/kg

### Skin Corrosion/Irritation

May be mildly irritating to skin.

### Serious Eye Damage/Irritation

Causes severe eye irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Not classified under GHS criteria.

#### Skin Absorption

Not classified under GHS criteria.

**Ingestion**

May be harmful if swallowed. Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Not classified under GHS criteria.

**Respiratory and/or Skin Sensitization**

Not a skin sensitizer. Not a respiratory sensitizer.

**Carcinogenicity**

Not classified under GHS criteria.

**Reproductive Toxicity****Development of Offspring**

Not classified under GHS criteria.

**Sexual Function and Fertility**

Not classified under GHS criteria.

**Effects on or via Lactation**

Not classified under GHS criteria.

**Germ Cell Mutagenicity**

Not classified under GHS criteria.

**Interactive Effects**

None known.

**SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Review federal, provincial and local government requirements prior to disposal.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Other Information** Not regulated under IMO/IMDG.

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations****Canada****Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

**Additional Canadian Regulatory Lists**

WHMIS exempt: License No. 103169

**SECTION 16. OTHER INFORMATION**

**HMIS Rating** Health - 2 Flammability - 0 Physical Hazard - 0

**SDS Prepared By** Virox Technologies Inc.

**Phone No.** (800) 387-7578

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**Additional Information** For an updated SDS please contact the supplier/manufacturer listed on the first page of this document. 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 requirement of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and manufacturer/supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or

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reliance on any information contained in this document. The contents of this document have been prepared in accordance with the Canadian Hazardous Products Regulations (WHMIS 2015).

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