

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.

Product Identifier: Optim CS

SDS No.: 053011

Date of Preparation: April 27, 2017

Date of Last Revision: October 28, 2019

Page 02 of 05

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

Product Identifier: Optim CS

SDS No.: 053011

Date of Preparation: April 27, 2017

Date of Last Revision: October 28, 2019

Page 04 of 05

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).

Product Identifier:	Optim CS	SDS No.:	053011
Date of Preparation:	April 27, 2017		
Date of Last Revision:	October 28, 2019	Page	05 of 05