

# Optim 1 (US)

## SECTION 1. IDENTIFICATION

**Product Identifier** Optim 1  
**Recommended Use** Disinfectant Cleaner.  
**Manufacturer** 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.** 053518

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Not classified under any GHS hazard classes.

### GHS Label Elements

**Signal Word:** None.

**Hazard Pictogram:** None.

**Hazard Statement(s):** None.

### Other Hazards

The product contains no substances which at their given concentration are considered to be hazardous to health.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixutre:

| Chemical Name     | CAS No.   | %   | Other Identifiers |
|-------------------|-----------|-----|-------------------|
| Hydrogen peroxide | 7722-84-1 | 0.5 |                   |

### Notes

Active ingredients are listed above. EPA Registration Number 74559-9-83259

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

No specific first aid measures are required.

#### Skin Contact

No specific first aid measures are required.

#### Eye Contact

Flush with cool water. Remove contact lenses, if applicable, and continue washing.

Obtain medical attention if irritation develops or persists.

#### Ingestion

No specific first aid measures are required.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agents compatible with product and suitable for surrounding fire.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

None known.

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

Wear self-contained breathing apparatus for fire fighting if necessary.

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## 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 surface water ways.

### Methods and Materials for Containment and Cleaning Up

Small spills or leaks: (< 5 gallons) can be flushed into sewage system in accordance with local regulations. Diluted product can be flushed to sanitary sewer. Use water rinse for final cleanup.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Use good industrial hygiene practices in handling this material. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

### Conditions for Safe Storage

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

### Exposure Guideline

| Chemical Name     | ACGIH |      | OSHA PEL |         | AIHA WEEL |     |
|-------------------|-------|------|----------|---------|-----------|-----|
|                   | TWA   | STEL | TWA      | Ceiling | 8-hr TWA  | TWA |
| Hydrogen Peroxide | 1 ppm |      | 1 ppm    |         |           |     |

### Appropriate Engineering Controls

No specific ventilation requirements.

### Individual Protection Measures

#### Eye/Face Protection

Not required if product is used as directed.

#### Skin Protection

Not required if product is used as directed.

#### Respiratory Protection

Not required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|  |  |
|--|--|
| Appearance                                       | Colourless liquid.                           |
| Odour Threshold                                  | Not available                                |
| pH   | 2.0 - 2.5                                    |
| Melting Point/Freezing Point                     | Not available (melting)                      |
| Initial Boiling Point/Range                      | Not available                                |
| Flash Point                                      | > 200 °F (93 °C)                             |
| Evaporation Rate                                 | Not available                                |
| Flammability (solid, gas)                        | Not applicable (liquid).                     |
| 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)                     | 1.006 at 20 °C                               |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available                                |
| Auto-ignition Temperature                        | Not available                                |
| Viscosity  | 1.09 centistokes at 20 °C (kinematic)        |
| Other Information                                |  |
| Physical State                                   | Liquid                                       |
| Odour  | Light Almond odour                           |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

This product is stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

High temperatures.

### Incompatible Materials

Do not mix with concentrated bleach products.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

LC50 (Inhalation): > 2.08 mg/L.

LD50 (Oral): > 5000 mg/kg.

LD50 (Dermal): > 5050 mg/kg.

### Skin Corrosion/Irritation

Not classified under GHS criteria.

### Serious Eye Damage/Irritation

Not classified under GHS criteria.

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

#### Inhalation

Not classified under GHS criteria.

#### Skin Absorption

Not classified under GHS criteria.

#### Ingestion

Not classified under GHS criteria.

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

Not classified under GHS criteria.

### Respiratory and/or Skin Sensitization

Not classified under GHS criteria.

### 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.

### Germ Cell Mutagenicity

Not classified under GHS criteria.

### Interactive Effects

None known.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by OSHA.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Review the STORAGE and DISPOSAL instructions on product label prior to disposal.

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## SECTION 14. TRANSPORT INFORMATION

### Shipping Information:

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

**Special Precautions** Not applicable

**for User**

## 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.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

#### Additional USA Regulatory Lists

Other U.S. Federal Regulations

**SARA 302/304/311/312 extremely hazardous substances:** No listed substance.

**SARA 302/304 emergency planning and notification:** No listed substance.

#### US Regulations:

EPA Registration No.: 74559-9-83259

This chemical is a pesticide product registered by the US Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS) and for workplace labels for non-pesticide chemicals. The following is the hazard information as required on the pesticide label: KEEP OUT OF REACH OF CHILDREN.

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65.

## SECTION 16. OTHER INFORMATION

|                               |   |                         |                            |
|-------------------------------|---|-------------------------|----------------------------|
| <b>HMIS Rating</b>            | <b>Health - 0</b>   | <b>Flammability - 0</b> | <b>Physical Hazard - 0</b> |
| <b>SDS Prepared By</b>        | Virox Technologies Inc.   |                         |                            |
| <b>Phone No.</b>              | (800) 387-7578  |                         |                            |
| <b>Date of Preparation</b>    | June 02, 2015   |                         |                            |
| <b>Additional Information</b> | 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 condition 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 reliance on any information contained in this document. The contents of this document have been prepared in accordance with the OSHA Hazard Communication Standards. |                         |                            |

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