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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>%</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

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.
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>OSHA PEL</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>TWA 1 ppm</td>
<td>STEL 1 ppm</td>
<td>Ceiling 8-hr TWA TWA</td>
</tr>
</tbody>
</table>

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.

Product Identifier: Optim 1
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Date of Preparation: January 11, 2016
SECTION 13. DISPOSAL CONSIDERATIONS
Disposal Methods
Review the STORAGE and DISPOSAL instructions on product label prior to disposal.

SECTION 14. TRANSPORT INFORMATION
Shipping Information:
Special Precautions for User
Not applicable

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
HMIS Rating
Health - 0  Flammability - 0  Physical Hazard - 0
SDS Prepared By
Virox Technologies Inc.
Phone No.
(800) 387-7578
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 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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