SECTION 1. IDENTIFICATION

Product Identifier: Optim 28
Recommended Use: Instrument Pre-Cleaner.
Supplier: 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.: 052316

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification:
Acute toxicity (Oral) - Category 4; Skin corrosion/irritation - Category 3; Serious eye damage/eye irritation - Category 2B

GHS Label Elements:

Signal Word: Warning
Hazard Pictogram: None
Hazard Statement(s): Harmful if swallowed. Causes mild skin irritation. Causes eye irritation.
Precautionary Statement(s):
  Prevention: Wash hands thoroughly after handling. Wear eye protection/face protection. Do not eat, drink or smoke when using this product.
  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. IF SWALLOWED: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

Storage: See Section 7 for Handling and Storage information.
Disposal: See Section 13 for Waste Disposal information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration %</th>
<th>Other Identifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphosphonic acid, (1-hydroxyethylidene)-, tetrapotassium salt</td>
<td>14860-53-8</td>
<td>7 - 13</td>
<td></td>
</tr>
<tr>
<td>1-Octanesulfonic acid, potassium salt</td>
<td>5324-84-5</td>
<td>1 - 5</td>
<td></td>
</tr>
<tr>
<td>Hydrogen peroxide 50%</td>
<td>7722-84-1</td>
<td>1 - 5</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST-AID MEASURES

First-aid Measures
  Inhalation
  Not a normal route of exposure.
  Skin Contact
  Rinse skin with cool water. Wash with soap and water. If skin irritation occurs get medical advice/attention.
  Eye Contact
  Flush with cool water. Remove contact lenses, if applicable, and continue washing. If eye irritation persists, get medical advice/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. Immediately call a Poison Centre or doctor.
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 Chemical
None known.

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
Prevent large spills from entering surface water ways.

Methods and Materials for Containment and Cleaning Up
Diluted product can be flushed to sanitary sewer. Use water rinse for final cleanup.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Handle in accordance with good industrial hygiene and safety practice avoid contact with eyes, skin and clothing. Do not ingest. 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

Exposure Guidelines

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

Appropriate Engineering Controls
General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection
Wear chemical safety goggles.

Skin Protection
No special requirements under normal use conditions.

Respiratory Protection
Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Clear colourless.
Odour Odourless
Odour Threshold Not available
pH 9.0 - 9.7
Melting Point/Freezing Point Not available (freezing)
Initial Boiling Point/Range Not available
Flash Point > 93.4 °C (200.1 °F)
Evaporation Rate Not available
Upper/Lower Flammability or Not available (upper); Not available (lower)
Explosive Limit

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Date of Preparation: 07/21/16
Vapour Pressure
Not available
Vapour Density (air = 1)
Not available
Relative Density (water = 1)
1.15 - 1.16 at 20 ºC
Solubility
Soluble in water
Auto-ignition Temperature
Not available
Other Information
Physical State
Liquid
% Volatile
0.00%*

SECTION 10. STABILITY AND REACTIVITY
Reactivity
Not reactive.
Chemical Stability
This product is stable.
Possibility of Hazardous Reactions
None known.
Conditions to Avoid
Do not mix with chlorinated products.
Incompatible Materials
Oxidizers, acids, reducing agents.
Hazardous Decomposition Products
Decomposition releases oxygen which may intensify fire.

SECTION 11. TOXICOLOGICAL INFORMATION
Likely Routes of Exposure
Eye contact; skin contact; inhalation; ingestion.
Acute Toxicity
LD50 (Oral): 1527 mg/kg
LD50 (Dermal): > 2000 mg/kg
Skin Corrosion/Irritation
Causes mild skin irritation.
Serious Eye Damage/Irritation
Causes mild eye irritation.
STOT (Specific Target Organ Toxicity) - Single Exposure
Inhalation
Not classified under GHS criteria.
Skin Absorption
Not classified under GHS criteria.
Ingestion
Harmful if swallowed. May cause stomach distress, nausea or vomiting.

STOT (Specific Target Organ Toxicity) - Repeated Exposure
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.
Effects on or via Lactation
Not classified under GHS criteria.
Germ Cell Mutagenicity
Not classified under GHS criteria.

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*Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Productions, Sections 94508
Interactive Effects
None known.

SECTION 12. ECOLOGICAL INFORMATION
This section is not required by OSHA.

SECTION 13. DISPOSAL CONSIDERATIONS
Disposal Methods
Diluted product can be flushed to sanitary sewer. Dispose of contents/container according to local or regional regulations.

SECTION 14. TRANSPORT INFORMATION
Special Precautions
Not applicable
for User

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.

SECTION 16. OTHER INFORMATION
HMIS Rating
Health - 1  Flammability - 0  Physical hazard - 0
SDS Prepared By
Virox Technologies Inc.
Phone No.
(800) 387-7578
Date of Preparation
07/21/16
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