

Optim 1

Conforms to Regulation (EC) No. 2015/830 (REACH), Annex II (453/2010) - Europe

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Optim 1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Disinfectant cleaner

1.3 Details of the supplier of the safety data sheet

SciCan Ltd, 1440 Don Mills road, Toronto, ON, M3B 3P9, 1-800-667-7733

1.4 Emergency telephone number

SciCan Ltd, 1-800-667-7733

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is not classified under any hazard class.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Signal Word: None

Hazard Pictogram: None

Hazard Statement(s): None

2.3 Other hazards

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

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

Notes

Active ingredient is listed above.

SECTION 4. FIRST-AID MEASURES

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

None known.

5.3 Advice for firefighters

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

6.1 Personal precautions, protective equipment and emergency procedures

Not required if product is used as directed.

6.2 Environmental precautions

Before attempting clean-up, refer to hazard data. Review STORAGE and DISPOSAL section prior to disposal.

6.3 Methods and material 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.

6.4 Reference to other sections

See section 8 for information on personal protection equipment. See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Store in an area that is out of direct sunlight. Avoid storage at elevated temperatures. KEEP OUT OF REACH OF CHILDREN.

7.3 Specific end use(s)

There are no further specific end uses than those named in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

DNEL hydrogen peroxide: 1.4 mg/m³ (inhalation, long-term)

DNEL hydrogen peroxide: 3 mg/m³ (inhalation, acute/short-term exposure)

8.2 Exposure controls

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

9.1 Information on basic physical and chemical properties

| | |
|-------------------------------------|---|
| Appearance | Clear colourless liquid. |
| Odour | Light almond odour. |
| Odour Threshold | Not available |
| pH | 2.0 - 2.5 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |

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| | |
|---|--|
| Initial Boiling Point/Range | Not available |
| Flash Point | > 93 °C (200 °F) |
| 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) | 1.006 at 20 °C |
| Solubility | Not applicable |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | 1.09 centistokes at 20 °C |

9.2 Other information

% Volatile 0%

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive.

10.2 Chemical stability

This product is stable.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Prolonged exposure to high temperatures.

10.5 Incompatible materials

Do not mix with concentrated bleach products.

10.6 Hazardous decomposition products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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 Regulation (EC) 1272/2008.

Serious Eye Damage/Irritation

Not classified under Regulation (EC) 1272/2008.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Not classified under Regulation (EC) 1272/2008.

Skin Absorption

Not classified under Regulation (EC) 1272/2008.

Ingestion

Not classified under Regulation (EC) 1272/2008.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Not classified under Regulation (EC) 1272/2008.

Respiratory and/or Skin Sensitization

Not classified under Regulation (EC) 1272/2008.

Carcinogenicity

Not classified under Regulation (EC) 1272/2008.

Reproductive Toxicity**Development of Offspring**

Not classified under Regulation (EC) 1272/2008.

Sexual Function and Fertility

Not classified under Regulation (EC) 1272/2008.

Effects on or via Lactation

Not classified under Regulation (EC) 1272/2008.

Germ Cell Mutagenicity

Not classified under Regulation (EC) 1272/2008.

Interactive Effects

None known.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not available.

12.6 Other adverse effects

Not available.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

For information on disposal of unused, unwanted product, and clean-up of spills, contact the manufacturer or the appropriate Country/Member State or product stewardship organization. Rinse the container with water. Dispose of container in accordance with Country/Member State regulations. Do not re-use containers.

SECTION 14. TRANSPORT INFORMATION**14.1 UN number**

N/A, not regulated under dangerous goods.

14.2 UN proper shipping name

N/A, not regulated under dangerous goods.

14.3 Transport hazard class(es)

N/A, not regulated under dangerous goods.

14.4 Packing group

N/A, not regulated under dangerous goods.

14.5 Environmental hazards

Not available

14.6 Special Precautions

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

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SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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.

Europe

Ingredients according to EC Detergent Regulations 648/2004

Anionic Surfactants: Less than 5%

Nonionic Surfactants: Less than 5%

15.2 Chemical Safety Assessment

A chemical safety assessment was conducted based on the registration of this product.

SECTION 16. OTHER INFORMATION

HMIS Rating **Health - 0** **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 reliance on any information contained in this document. The contents of this document have been prepared in accordance with Regulation (EC) No. 2015/830, Annex II (453/2010) -Europe.