

SHYIELD Concentrate (Undiluted) (CAN)

One-Step Disinfectant Cleaner For Use in Cannabis Facilities

SECTION 1. IDENTIFICATION

Product Identifier	SHYIELD Concentrate (Undiluted) (CAN)
Recommended Use	Concentrated hard surface cleaner and disinfectant.
Manufacturer	Virox Technologies Inc., 2770 Coventry Rd., Oakville, ON, L6H 6R1, 905-813-0110
Emergency Phone No.	Virox Technologies Inc., 1-800-387-7578
SDS No.	003161

SECTION 2. HAZARD IDENTIFICATION

GHS Classification

Acute toxicity (Oral) - Category 5; Serious eye damage - Category 1

GHS Label Elements



Signal Word:

Danger

Hazard Statement(s):

Causes serious eye damage. May be harmful if swallowed.

Precautionary Statement(s):

Prevention: Wash hands and skin 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. Immediately call a POISON CENTRE or doctor.

Storage: See Section 7 for Handling and Storage information.

Disposal: See Section 13 for Waste Disposal information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Hydrogen peroxide	7722-84-1	7	
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	5-10	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Not a normal route of exposure.

Skin Contact

Remove contaminated clothing and thoroughly flush affected areas with lukewarm water. Obtain medical attention if irritation develops or persists.

Eye Contact

Flush with cool water for 10-15 min. Remove contact lenses, if applicable, once flushing has begun get medical attention immediately after flushing.

Ingestion

Rinse mouth with water. Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Call a Poison Centre or doctor if you feel unwell or are concerned.

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

Prevent large spills from entering sewers or waterways.

Methods and Materials for Containment and Cleaning Up

Large spills or leaks (>5 litres): 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

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Do not ingest. Prevent accidental contact with incompatible materials. 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			
Benzenesulfonic acid, C10-16-alkyl derivs.	Not established		Not established			

Appropriate Engineering Controls

No specific ventilation requirements.

Individual Protection Measures

Eye/Face Protection

Safety goggles or glasses.

Skin Protection

Wear appropriate chemical resistant gloves.

Respiratory Protection

Not required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Clear colourless liquid.

Odour Odourless

Odour Threshold Not available

Product Identifier: SHIELD Concentrate (Undiluted) (CAN)

Date of Preparation: April 17, 2019

SDS No.: 003161

Page 02 of 05

pH	~ 0.7
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
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)	1.032 - 1.042
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

Other Information

Elemental Phosphorous	0.1% by weight
Dilution pH (1:40)	2.2 - 2.4

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

This product is stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Prolonged exposure to high temperatures.

Incompatible Materials

Oxidizing agents, strong bases, reducing agents. Ferrous materials such as galvanized iron and heavy metals. Do not mix with any 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; inhalation.

Acute Toxicity

LC50 (Inhalation): >2mg/L

LD50 (Oral): >2000 mg/kg

LD50 (Dermal): >2000 mg/kg

Skin Corrosion/Irritation

May be mildly irritating to skin.

Serious Eye Damage/Irritation

Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Not classified under GHS criteria.

Skin Absorption

Not classified under GHS criteria.

Ingestion

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 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.

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: DIN 02482843

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

HMIS Rating Health - 3 Flammability - 0 Physical Hazard - 0

SDS Prepared By Virox Technologies Inc.

Phone No. (800) 387-7578

Date of Preparation April 17, 2019

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 Identifier: Shyield Concentrate

Date of Preparation: April 17, 2019

SDS No.: 003161

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 Canadian Hazardous Products Regulations (WHMIS 2015).

Product Identifier: SHYIELD Concentrate (Undiluted) (CAN)
Date of Preparation: April 17, 2019
SDS No.: 003161

Page 05 of 05