

PREempt Concentrate Use Solution (1:64 and Higher) - (US)

SECTION 1. IDENTIFICATION

Product Identifier	PREempt Concentrate Use Solution (1:64 and Higher) - (US)
Recommended Use	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.	002228D2

SECTION 2. HAZARDS IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012)

Classification

Not classified under any hazard class.

Label Elements

Signal Word

None.

Hazard Pictogram

None.

Hazard Statement(s)

None.

Precautionary Statement(s):

None.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Hydrogen peroxide	7722-84-1	<0.1	

Active ingredients are listed above. EPA Reg. No. 74559-4.

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 agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

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

No special precautions are necessary.

Environmental Precautions

Prevent large spills from entering surface water ways.

Methods and Materials for Containment and Cleaning Up

Use water rinse for final cleanup. Diluted product can be flushed to sanitary sewer.

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

Control Parameters

Chemical Name	ACGIH TLV®		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	Clear colourless.
Odour	Faint, characteristic odour
Odour Threshold	Not available
pH	~2.3
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	> 200 °F (93 °C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
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)	1.00 at 68 °F (20 °C)
Solubility	Soluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available

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Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Other Information	
Elemental Phosphorus	0% by weight

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 (e.g. peroxides), strong bases (e.g. sodium hydroxide), reducing agents (e.g. hydroquinone). Copper and brass. Ferrous materials such as galvanized iron and heavy metals. Do not mix with any other cleaning or disinfecting products.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

LC50 (Inhalation): >20 mg/L

LD50 (Oral): >5000 mg/kg

LD50 (Dermal): >5000 mg/kg

Skin Corrosion/Irritation

Not a skin irritant.

Serious Eye Damage/Irritation

Not an eye irritant.

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 a respiratory sensitizer. Not a skin sensitizer.

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

Environmental Information: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Diluted product can be flushed to sanitary sewer.

RCRA Hazard Class (Diluted Product): Not Classified

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 or exempt.

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

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

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.

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

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 0	Flammability - 0	Instability - 0
SDS Prepared By	Virox Technologies Inc.		
Phone No.	(800) 387-7578		
Date of Preparation	October 13, 2015		
Date of Last Revision	May 31, 2021		
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 the Canadian Hazardous Products Regulations (WHIMIS 2015) and GHS (Globally Harmonized System of Classification and Labelling of Chemicals).		

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PREempt Concentrate (US)

SECTION 1. IDENTIFICATION

Product Identifier	PREempt Concentrate (US)
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.	002228

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012)

Classification

Eye irritation - Category 2B

Label Elements

Signal Word: Warning

Hazard Statement(s):

Causes eye irritation.

Precautionary Statement(s):

Prevention: Wash hands and skin thoroughly after handling.

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.

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	4.25	

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. If eye irritation persists, get medical advice/attention.

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.

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

Before attempting clean-up, refer to hazard data. Review federal, provincial and local government requirements prior to disposal. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Methods and Materials for Containment and Cleaning Up

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

Avoid contact with eyes, skin and clothing. 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 and away from heat and ignition sources. 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			

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	Faint, characteristic odour.
Odour Threshold	Not available
pH	~1.0
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	> 93 °C
Evaporation Rate	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)

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Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.019 - 1.054 at 25 °C
Solubility	Very soluble (more than 50 g/100 mL) in water
Auto-ignition Temperature	Not available

Other Information

Elemental Phosphorus 0% by weight

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 (e.g. peroxides), strong bases (e.g. sodium hydroxide), reducing agents (e.g. hydroquinone). Copper and brass. 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): > 2 mg/L

LD50 (Oral): > 2000 mg/Kg

LD50 (Dermal): > 5000 mg/Kg

Serious Eye Damage/Irritation

Causes eye irritation.

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

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.

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Germ Cell Mutagenicity

Not classified under GHS criteria.

Interactive Effects

None known.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

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

RCRA Hazard Class: D002

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

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

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

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

EPA Registration No.: 74559-4

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

SECTION 16. OTHER INFORMATION

NFPA Rating

Health - 2 Flammability - 0 Instability - 0 Special Hazards - None

SDS Prepared By Virox Technologies Inc.

Phone No. (800) 387-7578

Date of Preparation January 29, 2015

Date of Last Revision May 31, 2021

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