

# Shockwave

## Hydrogen Peroxide Disinfectant & Cleaner

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Shockwave Hydrogen Peroxide Disinfectant & Cleaner  
**MSDS No.** 500601  
**Supplier** Fiberlock Technologies, 150 Dascomb Rd., Andover, MA, 01810, USA, 1-800-342-3755  
**Emergency Contact Information** Fiberlock Technologies, 1-800-342-3755  
**Use** Hard Surface Cleaner and Disinfectant

### 2. HAZARDS IDENTIFICATION

**Emergency Overview** The product contains no substances which at their given concentration are considered to be hazardous to health.

#### Potential Health Effects

**Route of Exposure** Eye; skin contact; ingestion.

**Skin Contact** None known.

**Eye Contact** None known.

**Ingestion** None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

### 4. FIRST AID MEASURES

#### First Aid Procedures

**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.

### 5. FIRE FIGHTING MEASURES

**Flammable Properties** Not flammable by WHMIS/OSHA criteria.

**Suitable Extinguishing Media** Treat for surrounding material.

**Specific Hazards Arising from the Chemical** None known.

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Use the Personal Protective Equipment recommended in Section 8 of this MSDS.  
**Methods for Containment and Clean-up** Before attempting clean-up, refer to hazard data. Small spills or leaks: (smaller than 5 gallons) contain and soak up spill with absorbent that does not react with spilled product. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

## 7. HANDLING AND STORAGE

**Handling** Use good industrial hygiene practices in handling this material (See Section 8).  
FOR COMMERCIAL AND INDUSTRIAL USE ONLY.  
**Storage** Store in an area that is out of direct sunlight. Avoid storage at elevated temperatures.  
KEEP OUT OF REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guideline

Chemical Name	ACGIH		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydrogen Peroxide	1 ppm		1 ppm			

**Engineering Controls** No specific ventilation requirements.  
**Personal Protective Equipment (PPE)**  
**Eye/Face Protection** No special requirements under normal use conditions.  
**Skin Protection** No special requirements under normal use conditions.  
**Respiratory Protection** No special requirements under normal use conditions.  
**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Liquid  
**Appearance** Clear colourless.  
**Odour** Odourless  
**Odour Threshold** Not available  
**Boiling Point** Not available  
**Freezing Point** Not available  
**Relative Density (water = 1)** 1.001 - 1.010  
**Solubility in Water** Soluble.  
**pH** 1.6 - 2.1  
**Partition Coefficient, n-Octanol/Water** Not available  
**Vapour Pressure** Not available  
**Vapour Density (air = 1)** Not available  
**Evaporation Rate** Not available  
**Flash Point** Not available  
**Lower Flammable/Explosive Limit** Not available  
**Upper Flammable/Explosive Limit** Not available

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**Auto-ignition Temperature**

Not available

**% VOC:**

0.00%\*

\*-Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Productions, Sections 94508

## 10. STABILITY AND REACTIVITY

**Chemical Stability** This product is stable.  
**Incompatible Materials** Do not mix with concentrated bleach products.  
**Hazardous Decomposition Products** Not reasonably foreseeable.

## 11. TOXICOLOGICAL INFORMATION

### Effects of Short-Term (Acute) Exposure

#### Skin Irritation / Corrosion

Essentially non-irritating based on OECD guidelines.

#### Eye Irritation / Corrosion

Essentially non-irritating based on OECD guidelines.

#### Inhalation

Non-Hazardous by WHMIS criteria. LC50 estimated to be > 2.59 mg/L.

#### Skin Absorption

Non-Hazardous by WHMIS criteria. Dermal LD50 estimated to be > 5050 mg/kg.

#### Ingestion

This product does not pose a significant health risk if ingested (Oral LD50 > 5000 mg/kg). Like any product not designed to be ingested, this product may cause stomach distress if ingested in large quantities.

### Effects of Long-Term (Chronic) Exposure

Skin: Prolonged or repeated exposure can cause dryness, de-fating and dermatitis.

Irritancy: Non-Hazardous by WHMIS/OSHA criteria.

#### Respiratory and/or Skin Sensitization

Skin Sensitization: Non-Hazardous by WHMIS criteria

Respiratory Tract Sensitization: Non-Hazardous by WHMIS criteria

#### Carcinogenicity

Non-Hazardous by WHMIS criteria.

#### Teratogenicity / Embryotoxicity

Non-Hazardous by WHMIS criteria

#### Reproductive Toxicity

Non-Hazardous by WHMIS criteria

#### Mutagenicity

Non-Hazardous by WHMIS criteria

#### Toxicologically Synergistic Materials

None known

## 12. ECOLOGICAL INFORMATION

**General Comments** This section is not required by OSHA / WHIMS.

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### 13. DISPOSAL CONSIDERATIONS

Review federal, provincial and local government requirements prior to disposal.

### 14. TRANSPORT INFORMATION

#### Shipping Information

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

#### Other Transport Information

**Special Shipping Information** Not applicable

### 15. REGULATORY INFORMATION

#### Canada

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or NDSL.

#### Additional Canadian Regulatory Lists

WHIMS Exempt - DIN 02407787

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory. Or exempt.

### 16. OTHER INFORMATION

<b>HMIS Rating</b>	<b>Health - 0</b>	<b>Flammability - 0</b>	<b>Physical Hazard - 0</b>
<b>MSDS Prepared By</b>	Virox Technologies Inc.		
<b>Phone No.</b>	(800) 387-7578		
<b>Date of Preparation</b>	October 15, 2013		
<b>Date of Expiry</b>	October 15, 2016		
<b>Additional Information</b>	For an updated MSDS 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 Canadian WHMIS (Controlled Products Regulations).		

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