

**ShockWave****Hydrogen Peroxide Disinfectant & Cleaner (US)****1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** ShockWave Hydrogen Peroxide Disinfectant & Cleaner (US)  
**MSDS No.** 500602  
**Supplier** Fiberlock Technologies, 150 Dascomb Rd., Andover, MA, 01810, USA  
**Emergency Contact Information** Fiberlock Technologies, 1-800-342-3755  
**Use** Hard Surface Disinfectant and Cleaner

**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	

**Notes** Active ingredients are listed above. All ingredients of this product are listed on the US EPA TSCA Inventory. EPA Registration Number: 74559-1-73884.

**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. Not combustible.  
**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

<b>Personal Precautions</b>	Use the Personal Protective Equipment recommended in Section 8 of this MSDS.
<b>Environmental Precautions</b>	Prevent large spills from entering sewers or waterways.
<b>Methods for Containment and Clean-up</b>	Before attempting clean-up, refer to hazard data. Large spills or leaks: (Greater than 5 gallons) Dike or dam spill. Pump to containers or soak up with inert absorbent. Small spills (less than 5 gallons): contain spill. Flush to sanitary sewer. Rinse area thoroughly with water. Contact emergency services and supplier for advice.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Use good industrial hygiene practices in handling this material. (See Section 8) FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
<b>Storage</b>	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 Guidelines

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

<b>Engineering Controls</b>	No specific ventilation requirements.
<b>Personal Protective Equipment (PPE)</b>	
<b>Eye/Face Protection</b>	Not required if product is used as directed.
<b>Skin Protection</b>	Not required if product is used as directed.
<b>Respiratory Protection</b>	Not required if product is used as directed.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
<b>Appearance</b>	Clear, colourless liquid.
<b>Odour</b>	Faint, Characteristic odour
<b>Odour Threshold</b>	Not available
<b>Boiling Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Relative Density (water = 1)</b>	1.01 at 20 °C
<b>Solubility in Water</b>	Soluble.
<b>pH</b>	2.5 - 3.5
<b>Partition Coefficient, n-Octanol/Water</b>	Not available
<b>Viscosity-Kinematic</b>	1.122 centistokes at 20 °C
<b>Vapour Pressure</b>	Not available
<b>Critical Temperature</b>	Not available

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<b>Vapour Density (air = 1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flash Point</b>	> 199 °F
<b>Lower Flammable/Explosive Limit</b>	Not available
<b>Upper Flammable/Explosive Limit</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>% Volatile</b>	0.0%

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	This product is stable.
<b>Conditions to Avoid</b>	High Temperatures
<b>Incompatible Materials</b>	Do not mix with concentrated bleach products.
<b>Hazardous</b>	None known
<b>Decomposition Products</b>	

## 11. TOXICOLOGICAL INFORMATION

LC50 (Inhalation): > 2.59 mg/L (Rats).

LD50 (oral): > 5000 mg / kg (Rats).

LD50 (Dermal): > 5000 mg/kg (Rabbit)

### **Skin Irritation / Corrosion**

Non-irritating by OSHA / EPA OPPTS criteria.

### **Eye Irritation / Corrosion**

Non-irritating by OSHA / EPA OPPTS criteria.

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

#### **Inhalation**

Non-hazardous by OSHA criteria

#### **Skin Absorption**

Non-hazardous by OSHA criteria.

#### **Ingestion**

Non-hazardous by OSHA criteria.

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**

#### **Respiratory and/or Skin Sensitization**

Non-hazardous by OSHA criteria.

#### **Carcinogenicity**

Non-hazardous by OSHA criteria.

#### **Teratogenicity / Embryotoxicity**

Non-hazardous by OSHA criteria.

#### **Reproductive Toxicity**

Non-hazardous by OSHA criteria.

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**Mutagenicity**

Non-hazardous by OSHA criteria.

**Toxicologically Synergistic Materials**

None known.

**12. ECOLOGICAL INFORMATION**

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

**13. DISPOSAL CONSIDERATIONS**

Review the STORAGE and DISPOSAL instructions on product label 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****USA****Additional USA Regulatory Lists**

US Regulations:

EPA Reg. No.: 74559-1-73884.

This chemical is a pesticide product registered by the US Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS) and for workplace labels for non-pesticide chemicals. The following is the hazard information as required on the pesticide label: KEEP OUT OF REACH OF CHILDREN

**16. OTHER INFORMATION**

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

**MSDS Prepared By** Virox Technologies Inc.  
**Phone No.** (800) 387-7578

**Date of Preparation** November 20, 2013

**Additional Information** 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 condition 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 OSHA Hazard Communication Standards.

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