

# Safety Data Sheet

## Per GHS Standard Format

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** IAQ Advanced Peroxide Cleaner No. 8314

**General Use:** Ready-to-Use cleaner to remove mold and mildew stains from porous and non-porous surfaces

**Product Description:** Mold and mildew stain remover

**Chemical Family:** Peroxide/detergent blend

#### Information on the Supplier of the Safety Data Sheet

Manufactured For:  
Fiberlock Technologies, Inc.  
150 Dascomb Road  
Andover, MA 01810

Emergency Telephone Numbers:  
CHEM TEL: (U.S.): 1-800-255-3924  
(Outside the U.S.): 813-248-0585  
Poison Control Center (Medical): 800-222-1222

P: 800-342-3755 F: 978-475-6205

### SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**



#### GHS Label Statements

Hazard Statements:

Causes serious eye irritation.

Causes skin irritation.

May cause respiratory irritation.

#### GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Health:

Eye Irritation, Category 2A

Skin Irritation, Category 2

Target Organ Toxicity (Single exposure), Category 3, Respiratory tract irritation

## PRECAUTIONARY STATEMENTS

**Prevention:** Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing fumes, mist, vapours, or spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Keep out of reach of children.

**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. Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents/container in accordance with all local, state, and federal regulations.

## EMERGENCY OVERVIEW

**Physical appearance:** Clear liquid

**Immediate concerns:** Eye & Skin irritant

## POTENTIAL HEALTH EFFECTS

**Eyes:** Irritating, and may injure eye tissue if not removed promptly.

**Skin:** Contact may cause moderate to severe irritation.

**Skin absorption:** None Expected.

**Ingestion:** Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.

**Inhalation:** Mist is irritating to nose, throat and lungs.

## REPRODUCTIVE TOXICITY

**Teratogenic effects:** None known.

## CARCINOGENICITY

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans). The American Conference of Governmental Industrial Hygienists (ACGIH) has concluded that hydrogen peroxide is a 'Confirmed Animal Carcinogen with Unknown Relevance to Humans' (A3).

**Mutagenicity:** None known.

**Medical conditions aggravated:** Previous skin conditions such as dermatitis may be aggravated.

**Routes of entry:** Eye, skin, ingestion, Inhalation.

**Warning caution labels:** Irritant.

**Physical hazards:** None expected.

## SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

| <u>Chemical Name</u>                                    | <u>CAS No.</u> | <u>Weight, %</u> |
|---|----------------|------------------|
| Hydrogen Peroxide                                       | 7722-84-1      | 5-7.9            |
| Sodium Octanesulfonate                                  | 5324-84-5      | 0-5              |
| Ethoxylate Alcohol                                      | 68439-46-3     | 0-5              |
| Phosphonic Acid, (1-hydroxyethylidene)bis-, Sodium Salt | 29329-71-3     | 0-2              |
| Water   | 7732-18-5      | 75-85            |

## SECTION 4: FIRST AID MEASURES

### Eye Contact

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

### Skin Contact

Wash with soap and water. Get medical attention if irritation develops or persists.

### Inhalation

Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

### Ingestion

Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

### Signs and Symptoms of Overexposure

**Eyes:** Severe burning sensation, tearing, redness, swelling.

**Skin:** Burning sensation, redness.

**Skin absorption:** Not Established

**Ingestion:** Irritation of mouth, throat, along with stomach upset, vomiting.

**Inhalation:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**Acute toxicity:** Severely irritating to eyes. Causes moderate to severe skin irritation. Harmful if inhaled.

**Chronic effects:** Not Established

## SECTION 5: FIRE-FIGHTING MEASURES

**Flammable class:** Not applicable

**General hazard:** Non-flammable

**Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.

**Hazardous combustion products:** Not established

**Other considerations:** Although not flammable, this product, when exposed to high temperatures or fire, can contribute oxygen and intensify a surrounding fire.

**Explosion hazards:** Fire exposed containers may burst due to increased pressure from heat.

**Fire-fighting procedures:** Keep fire exposed containers cool with water stream or mist.

**Fire-fighting equipment:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small spill:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**Large spill:** Shut off all ignition sources. Ventilate area. Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

### Environmental Precautions

**Water spill:** Avoid discharges into open waterways.

**Land spill:** Avoid discharge to soil.

**General procedures:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

**Special protective equipment:** Eye protection, rubber gloves, rubber boots to protect feet.

## SECTION 7: HANDLING AND STORAGE

### General Procedures

Store away from excessive heat, spark or open flame. Store at temperatures below 90F. Keep container closed until used.

### Handling

Wear eye protection, rubber gloves when handling concentrate.

### Storage

Store in closed container away from heat, spark or open flame.

### Storage Temperature

4.5°C (40°F) Minimum to 32.2°C (90°F) Maximum.

### Storage Pressure

Store at ambient atmospheric pressure.

### Shelf Life

12 months (min) under controlled temperature storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

OSHA Hazardous Components (29 CFR1910.1200)

| <b>Chemical Name</b> | <b>OSHA PEL</b>                   | <b>ACGIH TLV</b>                            | <b>Supplier OEL</b> |
|----------------------|-----------------------------------|---|---------------------|
| Hydrogen Peroxide    | TWA: 1 ppm, 1.4 mg/m <sup>3</sup> | TWA: 1ppm, 1.4 mg/m <sup>3</sup> total dust | TWA: NL<br>STEL: NL |

**Engineering controls:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### Personal Protective Equipment

**Eyes and face:** Chemical splash goggles and full face-shield.

**Skin:** Rubber or other chemical resistant gloves. Rubber boots of used on floors.

**Respiratory:** Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

**Work hygienic practices:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid

**Odor:** Characteristic

**Odor threshold:** Not Established

**Color:** Water Clear  
**pH:** 7.5 to 8.5  
**Percent volatile:** >90  
**Flash point and method:** None  
**Flammable limits:** N/A  
**Autoignition temperature:** NA = Not Applicable  
**Vapor pressure:** > 20 mm Hg at 20°C (68°F)  
**Vapor density:** ≤ 1  
**Boiling point:** ~ 100°C (212°F)  
**Freezing point:** ~ 0°C (32°F)  
**Melting point:** Not Available  
**Thermal decomposition:** > 32.2°C  
**Solubility in water:** Complete  
**Evaporation rate:** (Water =1) 1.0  
**Density:** 8.64 at 20°C (68°F)  
**Specific gravity:** 1.035 grams/ml. at 20°C (68°F)  
**Viscosity:** Water thin.  
**(VOC):** None  
**Oxidizing properties:** Contains an oxidizing agent.

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Yes

### Hazardous Polymerization

None Expected.

### Stability

Stable under normal storage and use conditions.

### Conditions to Avoid

Avoid excessive heat.

### Possibility of Hazardous Reactions

Not Established.

### Hazardous Decomposition Products

Oxygen

### Incompatible Materials

Reducing agents, organic materials, flammable materials.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Chemical Name

Hydrogen Peroxide  
Ethoxylate Alcohol C9-11

### Oral LD<sub>50</sub> (rat)

>2000 mg/kg (rat)  
1400 mg/kg (rat)

### Dermal LD<sub>50</sub> (rabbit)

>2000 mg/kg (rabbit)  
>5000 mg/kg (rat)

### Inhalation LC<sub>50</sub> (rat)

No data available

**Eyes:** Not Established.  
**Dermal LD<sub>50</sub>:** Not Established.  
**Skin absorption:** None Expected.  
**Oral LD<sub>50</sub>:** Not Established.  
**Inhalation LC<sub>50</sub>:** Not Established.

**Eye effects:** Moderate to severe eye irritant.  
**Skin effects:** Moderate skin irritant.  
**Chronic:** Not Established.

### **Carcinogenicity**

#### **Chemical Name**

#### **IARC Status**

Hydrogen Peroxide

Group 3 – Not classifiable as to its carcinogenicity to Humans

**IARC:** The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

**NTP:** No listed substance

### **Irritation: Irritant**

**Sensitization:** No known significant effects or critical hazards.

**Neurotoxicity:** No known significant effects or critical hazards.

**Genetic effects:** No known significant effects or critical hazards.

**Reproductive effects:** No known significant effects or critical hazards.

**Target organs:** Not Established

**Mutagenicity:** No known significant effects or critical hazards.

## **SECTION 12: ECOLOGICAL INFORMATION**

**Environmental data:** Not Established

**Ecotoxicological information:** Not Established

**Aquatic toxicity (ACUTE):** Not Established

**Chemical fate information:** Not Established

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal method:** Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations.

**For large spills:** Consult with local and state authorities for large volume disposal.

**Product disposal:** See above.

**Empty container:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA waste information:** NA = Not Applicable

## **SECTION 14: TRANSPORT INFORMATION**

### DOT

Proper Shipping Name

Cleaning Compound, not regulated.

ADR/RID

Proper Shipping Name                      Cleaning Compound, not regulated.

IATA/ICAO

Proper Shipping Name                      Cleaning Compound, not regulated.

IMDG/IMO

Shipping Name                                Cleaning Compound, not regulated

**SECTION 15: REGULATORY INFORMATION**

**United States**

DOT label symbol and hazard classification

**Sara Title III (Superfund Amendments and Reauthorization Act)**

**311/312 Hazard Categories:** Health Hazard – Acute; Reactivity Hazard

**Fire:** No **Pressure Generating:** No **Reactivity:** Yes **Acute:** Yes **Chronic:** No

**313 Reportable Ingredients:** No listed substance

**302/304 Emergency Planning**

**Emergency Plan:** NA = Not Applicable

**TSCA (Toxic Substance Control Act)**

**TSCA Regulatory:** All ingredients are listed on the TSCA Chemical Inventory.

|  |                   |   |
|--|-------------------|---|
| <b>States with Special Requirements:</b> | <b>Chemical</b>   | <b>Name Requirements</b>  |
|  | Hydrogen Peroxide | Massachusetts Right To Know Substance<br>New Jersey Right To Know Substance<br>New York Right To Know Substance<br>Pennsylvania Right To Know Substance |

**California Proposition 65:** None

**Carcinogen:** The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity in humans).

**SECTION 16: OTHER INFORMATION**

|      |                  |                |               |                |
|------|------------------|----------------|---------------|----------------|
| NFPA | Health Hazards 2 | Flammability 0 | Instability 1 | Special Hazard |
|------|------------------|----------------|---------------|----------------|

|      |                  |                |                   |                       |
|------|------------------|----------------|-------------------|-----------------------|
| HMIS | Health Hazards 2 | Flammability 0 | Physical Hazard 1 | Personal Protection D |
|------|------------------|----------------|-------------------|-----------------------|

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: [www.epa.gov/lead](http://www.epa.gov/lead)

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