

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)

Chemical Name	OSHA PEL	ACGIH TLV	Supplier OEL
Hydrogen Peroxide	TWA: 1 ppm, 1.4 mg/m ³	TWA: 1ppm, 1.4 mg/m ³ total dust	TWA: NL 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 LD₅₀ (rat)

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

Dermal LD₅₀ (rabbit)

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

Inhalation LC₅₀ (rat)

No data available

Eyes: Not Established.
Dermal LD₅₀: Not Established.
Skin absorption: None Expected.
Oral LD₅₀: Not Established.
Inhalation LC₅₀: 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.

States with Special Requirements:	Chemical	Name Requirements
	Hydrogen Peroxide	Massachusetts Right To Know Substance New Jersey Right To Know Substance New York Right To Know Substance 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

Manufacturer Disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.