

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name HydroBrite.
Product code 8312
CAS No. Not applicable.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Peroxide Cleaner Additive to increase surface brightening.
Uses Advised Against None known.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification Fiberlock Technologies, Inc.
Address of Manufacturer 150 Dascomb Road
Andover, MA 01810
USA.
Postal code 01810
Telephone 800-342-3755
Fax (978) 475-6205
E-mail r.child@calprocorp.com
Office hours 8 am to 5 pm EST

1.4 Emergency telephone number
Emergency Phone No. CHEM TEL: 813-248-0585 (24 hour(s)).

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 US CFR 1910.1200 Eye Dam. 1 : Causes serious eye damage.
Skin Corr. 1B: Causes severe skin burns and eye damage.

2.2 Label elements

Product Name HydroBrite.

Hazard Pictogram(s)



GHS05

Signal Word(s) Danger .

Hazard Statement(s) H314: Causes severe skin burns and eye damage.

Precautionary Statement(s)
 P260: Do not breathe dust.
 P264: Wash hands and exposed skin thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310: Immediately call a POISON CENTER/doctor.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sodium carbonate	497-19-8	50 - 60	Eye Irrit. 2 H319	GHS07
Disodium disilicate	13870-28-5	30-40	Eye Dam. 1 H318	GHS05
Sodium hydroxide	1310-73-2	<5	Skin Corr. 1A H314	GHS05
Sodium dodecyl sulphate	151-21-3	1-5	Flam. Sol. 2 H228 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Acute Tox. 4 H332 STOT SE 3 H335	GHS02 GHS05 GHS07

For full text of H/P Statements see section 16.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

Skin Contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed
Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed
Immediately call a POISON CENTER/doctor. Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media Use CO2, dry chemical, or foam.

Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

May decompose in a fire giving off toxic fumes.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Sweep spilled substances into containers if appropriate moisten first to prevent dusting.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide adequate ventilation. Avoid dust generation. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container in a well-ventilated place. Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Strong oxidising agents.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Sodium hydroxide	1310-73-2		2			PEL (OSHA)
					2(1)	NIOSH

OSHA = Occupational Safety and Health Administration

NIOSH = National Institute of Occupational Safety and Health

(1) Ceiling limit value

8.2 Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.3 Personal protection equipment



Eye Protection

Wear eye/face protection.



Skin protection

Wear protective clothing and gloves: Impervious gloves.



Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards None known.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid. Colour : White.
Odor	Odorless.
Odor threshold	Not known.
pH	12.5
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor density	Not known.
Density (g/ml)	Not known.

Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2 Other information	None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None anticipated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	None known.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity - Ingestion	Low oral toxicity.
Acute toxicity - Skin Contact	Low acute toxicity.
Acute toxicity - Inhalation	Low acute toxicity.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory/skin sensitization	It is not a skin sensitiser.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	None anticipated.

STOT - single exposure	Not classified.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.
11.2 Other information	Not known.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	
Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2. Persistence and Degradation	No information available.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	Not known.
12.5 Other adverse effects	Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose of contents in accordance with local, state or national legislation.
13.2 Additional Information	None.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	
UN No.	3262
14.2 UN proper shipping name	
UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)
14.3 Transport hazard class(es)	
ADR/RID Class	8
IMDG Class	8
IMDG EMS	F-A,S-B

ICAO/IATA

Excepted Quantities	E1
Passenger and Cargo Aircraft Packing	864
Instructions	
Passenger and Cargo Aircraft Max net Qty	100 Kg
Passenger and Cargo Aircraft Packing	860
Instructions	
Passenger and Cargo Aircraft Max net Qty	25Kg
Cargo Aircraft Packing Instructions	Y845
Cargo Aircraft Max net Qty	5Kg
Special Provisions	Not available.
Emergency Response Guidebook (ERG)	8L
Code	
ADR Classification Code	C6
ADR HIN	80
ADR Transport Category	3
Tunnel Restriction Code	E
Emergency Action Code	Not available.
APP Advice on Additional Personal Protection (APP)	Not applicable
14.4 Packing group	
Packing group	III
Labels	8



Special Provisions	223 274
Limited Quantities	5 Kg
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P002 IBC08 LP02
Special Packing Provisions for Packages	B3
Mixed Packing Instructions for Packages	MP10
14.5 Environmental hazards	
Environmental hazards	Not known.
14.6 Special precautions for user	
Special precautions for user	Not known.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Packing Instructions for Portable Tanks	T1
Special Provisions for Portable Tanks	TP33
Tank Code for Tanks	SGAV L4BN
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	AT
Special Provisions for Carriage - Packages	Not applicable

Special Provisions for Carriage - Bulk VV9
 Special Provisions for Carriage - Loading, Not applicable
 Unloading and Handling
 Special Provisions for Carriage - Not applicable
 Operation

15. SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z) All chemicals are not listed.

National emission standards for hazardous air pollutants (40 CFR 61.01) All chemicals are not listed.

Title III Consolidated List of Lists Listed in: Sodium hydroxide caustic soda (CAS No.: 1310-73-2)
 CERCLA (Comprehensive Environmental Response Compensation and Liability Act): 1000

TSCA (Toxic Substance Control Act) All chemicals listed.

CAA 602 - Ozone Depleting Substances (ODS) All chemicals are not listed.

15.2 US State Regulations

State Right to Know Lists
 New Jersey
 Listed in: Sodium hydroxide (CAS No.: 1310-73-2)
 Pennsylvania
 Listed in: Sodium hydroxide (CAS No.: 1310-73-2)
 Rhode Island
 Listed in: Sodium hydroxide (CAS No.: 1310-73-2)
 Minnesota
 Listed in: Sodium hydroxide (CAS No.: 1310-73-2)

Proposition 65 (California) All chemicals are not listed.

15.3 Other

OSPAR List of Chemicals for Priority Action All chemicals are not listed.

NTP (National Toxicology Program) All chemicals are not listed.

OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) All chemicals are not listed.

IARC (International Agency for Research on Cancer) All chemicals are not listed.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions 1-16. or new statements:

NFPA		HMIS	
Health	3	Health	3
Fire	0	Flammability	0
Instability	0	Physical hazards	0

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
Acute Tox. 4	Acute toxicity Category 4
Eye Dam. 1	Serious eye damage/irritation Category 1
Eye Irrit. 2	Serious eye damage/irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Flam. Sol. 2	Flammable solid Category 2
Skin Irrit. 2	Skin corrosion/irritation Category 2

Hazard Statement(s)	H228: Flammable solid. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H318: Causes serious eye damage. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.
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Precautionary Statement(s)	P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P363: Wash contaminated clothing before reuse. P405: Store locked up. P501: Dispose of contents in accordance with local, state or national legislation.
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