

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: HydroBoost No. 8313

General Use: Peroxide Cleaner Additive to increase cleaning.

Product Description: Alkaline Cleaner Additive

Chemical Family: Alkali/detergent blend

Information on the Supplier of the Safety Data Sheet

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

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

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

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **DANGER**



GHS Label Statements

Hazard Statements:

Causes serious eye damage.

Causes severe skin burns and eye damage.

Harmful if swallowed.

Harmful if inhaled.

GHS Classifications

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

Health:

Skin Corrosion, Category 1

Eye Corrosion, Category 1

Acute Toxicity (Oral), Category 4

Acute Toxicity (Inhalation), Category 4

PRECAUTIONARY STATEMENTS

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fumes, mist, vapors or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. 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 locked up.

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

EMERGENCY OVERVIEW

Physical appearance: Orange liquid

Immediate concerns: Causes irreversible eye damage and skin burns.

POTENTIAL HEALTH EFFECTS

Eyes: Corrosive, contact causes severe eye burns.

Skin: Contact causes severe skin irritation and possible burns.

Skin absorption: None Expected.

Ingestion: Harmful if swallowed.

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

REPRODUCTIVE TOXICITY

Reproductive effects: None known.

Teratogenic effects: None known.

Carcinogenicity: None known.

Mutagenicity: None known.

Routes of entry: Eye, skin, ingestion.

Cancer statement: None

Sensitization: No known significant effects or critical hazards.

Warning caution labels: Corrosive

Physical hazards: Do not mix with acids, toilet bowl cleaners, ammonia or any other chemical. Can react to release of hazardous gases.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight, %</u>
Sodium Silicate	6834-92-0	5-10
Potassium Hydroxide	1310-58-3	0-5
Tetrasodium ethylenediamine tetraacetate	64-02-8	0-5
Alkyl Polyglucosides	68515-73-1	0-5
Dye	N/A	<0.1
Water	7732-18-5	70-80

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

Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

Inhalation

Remove victim to fresh air and monitor. Seek medical advice 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, damage marked by burns.

Skin: Burning sensation, redness, swelling and possible blistering.

Skin absorption: None Expected.

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: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed..

Notes to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: None

Extinguishing media: Not required

Fire-fighting procedures: No special requirements.

Fire-fighting equipment: NA = Not Applicable

Hazardous decomposition products: Not established

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large spill: 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.

Air spill: NA = Not Applicable

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

Close container after use.

Handling

Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Storage

Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store product away from food and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage Temperature

Store at ambient temperatures.

Storage Pressure

Store at ambient atmospheric pressure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

OSHA Hazardous Components (29 CFR 1910.1200)

Chemical Name	OSHA PEL	ACGIH TLV
Potassium Hydroxide	TWA: 2 mg/m ³ STEL:	TWA: STEL: 2 mg/m ³

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.

Respiratory: A respirator is not needed under normal and intended conditions of product use.

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: Orange

pH: 13.0-14.0

Percent volatile: >85

Flash point and method: None

Flammable limits: N/A

Autoignition temperature: NA = Not Applicable

Vapor pressure: ~ 20 mm Hg

Vapor density: ~ Air = 1
Boiling point: 212°F;100°C
Freezing point: 32°F; 0°C
Thermal decomposition: Not available
Solubility in water: Complete
Evaporation rate: (Water =1) 1.0
Density: 9.03
Specific gravity: ~ 1.082 grams/ml
Viscosity: Water thin.
(VOC): None

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable

Hazardous Polymerization

Will not occur.

Conditions to Avoid

Reacts violently with strong acids.

Possibility of Hazardous Reactions

Reacts violently with strong inorganic acid materials.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incompatible Materials

Strong inorganic acids.

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name

Sodium Silicate
Potassium Hydroxide
Tetrasodium ethylenediamine tetraacetate
Alkyl Polyglucosides

Oral LD₅₀ (rat)

1500 to 3200 mg/kg (rat)
273 mg/kg (rat)
3030 mg/kg (rat)
>5000 mg/kg (rat)

Dermal LD₅₀ (rabbit)

N/A
>5000 mg/kg (rabbit)
>5000 mg/kg (rabbit)

Eyes: Not Established.

Dermal LD₅₀: Not Established.

Oral LD₅₀: >2000 Not Established.

Inhalation LC₅₀: Not Established.

Eye effects: Corrosive to eyes. Permanent damage may occur.

Skin effects: Moderate to severe skin irritant.

Carcinogenicity

IARC: No products were found

Corrosivity: Corrosive

Sensitization: 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: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Environmental data: Not Established

Ecotoxicological information: This material may be toxic to aquatic life.

Aquatic toxicity (ACUTE): Not Established

Chemical fate information: Not Established

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

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

Product disposal: Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

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

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name	Cleaning Compound, Cleaning Liquid
Technical Name	Potassium Hydroxide Solution
Primary Hazard Class/Division	8
UN/NA Number	1760
Packing Group	III
Placards	Corrosive
Label	Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.
Other Shipping Information	Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.
Special Shipping Notes	Quantities less than or equal to one (1) gallon = Limited Quantity not regulated.

IATA/ICAO

Shipping Name	Contact manufacturer for more information.
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SECTION 15: REGULATORY INFORMATION**United States**

DOT label symbol and hazard classification



Corrosive

Limited
Quantity
Ground**Sara Title III (Superfund Amendments and Reauthorization Act)****311/312 Hazard Categories:** Health – Acute**Fire:** No **Pressure Generating:** No **Reactivity:** No **Acute:** Yes **Chronic:** No**313 Reportable Ingredients:** No listed substance**302/304 Emergency Planning****Emergency Plan:** No listed substance**CERCLA (Comprehensive Response, Compensation, and Liability Act)****CERCLA Regulatory:** Not Established

Chemical Name	Wt%	CERCLA RQ
Potassium Hydroxide	0-5	1,000

TSCA (Toxic Substance Control Act)**TSCA Regulatory:** All ingredients are listed on the TSCA Chemical Inventory.

States with Special Requirements:	Chemical	Name Requirements
	Sodium Silicate	Massachusetts Right To Know Substance New Jersey Right To Know Substance
	Potassium Hydroxide	Massachusetts Right To Know Substance Pennsylvania Right To Know Substance New Jersey Right To Know Substance Rhode Island Right To Know Substance

California Proposition 65: No listed substance**Carcinogen:** No listed substance**SECTION 16: OTHER INFORMATION**

NFPA	Health Hazards 3	Flammability 0	Instability 0	Special Hazard
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HMIS	Health Hazards 3	Flammability 0	Physical Hazard 0	Personal Protection D
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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

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