

# Safety Data Sheet

## Per GHS Standard Format

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** ShockWave Concentrate No. 8310, No. 8311 (10oz. bottles) & No. 8310CA  
ShockWave California

**General Use:** Disinfectant, Virucide, Fungicide

**Product Description:** Disinfectant and Cleaner

**Chemical Family:** Quaternary ammonium chloride blend

**EPA Registration Number:** 61178-1-73884

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

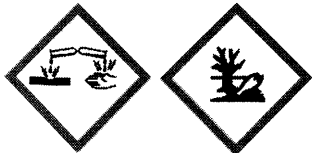
Manufactured For:  
Fiberlock Technologies, Inc.  
150 Dascomb Road  
Andover, MA 01810

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 severe skin burns and eye damage.

Harmful if swallowed.

Toxic to aquatic life.

#### GHS Classifications

Health:

Acute Toxicity (Oral), Category 5

Skin Corrosion, Category 1C

Eye Corrosion, Category 1

Environmental:

Acute Hazards to the Aquatic Environment, Category 1

## PRECAUTIONARY STATEMENTS

**Prevention:** Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fumes, mist, vapors or spray. Avoid release to the environment. Wash hands thoroughly after handling. Keep out of reach of children.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Collect spillage.

**Storage:** Store locked up.

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

## EMERGENCY OVERVIEW

**Physical appearance:** Blue 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:** Harmful if absorbed through skin.

**Ingestion:** Harmful if swallowed.

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

## REPRODUCTIVE TOXICITY

**Teratogenic effects:** None known.

**Carcinogenicity:** None known.

**Mutagenicity:** None known.

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

**Warning caution labels:** Corrosive

**Physical hazards:** None expected.

## SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight, %</u>
N-Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	68391-01-5	2.37
N-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	68956-79-6	2.37
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	0-5
Sodium Carbonate	497-19-8	0-5
Secondary Ethoxylated Alcohol	84133-50-6	0-5
Fragrance	N/A	<1
Dye	N/A	<0.1
Water	7732-18-5	85-95

## SECTION 4: FIRST AID MEASURES

### Eyes

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

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.

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

**Explosion hazards:** None

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

**Hazardous decomposition products:** Decomposition products may include: Carbon dioxide, carbon monoxide, nitrogen oxides.

## 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.

**Release notes:** Product is toxic to fish and aquatic invertebrates.

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

## SECTION 7: HANDLING AND STORAGE

### General Procedures

Do not contaminate water, food, or feed by storage or disposal.

### 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 pesticides away from food, pet food, feed, 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

**Engineering controls:** Use in well ventilated area.

### Personal Protective Equipment

**Eyes and face:** Chemical splash goggles.

**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:** Clean & Fresh

**Odor threshold:** Not Established

**Color:** Blue

**pH:** 11.0-12.0

**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:** ~ 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:** 8.66 at 20°C (68°F)  
**Specific gravity:** 1.038 grams/ml. at 20°C (68°F)  
**Viscosity:** Water thin.  
**(VOC):** None

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Stable

### Conditions to Avoid

Not established

### Incompatible Materials

Strong oxidizers

### Hazardous Decomposition Products

None expected

### Hazardous Polymerization

Hazardous polymerization will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Chemical Name

n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)  
 N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)  
 Tetrasodium ethylenediamine tetraacetate  
 Sodium Carbonate  
 Secondary Ethoxylated Alcohol

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

>1890 mg/kg (rat)  
 >500 mg/kg (rat)  
 3030 mg/kg (rat)  
 ~4090 mg/kg (rat)  
 >412 mg/kg (rat)

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

>2000 mg/kg (rabbit)  
 >2000 mg/kg (rabbit)  
 >5000 mg/kg (rabbit)  
 N/A  
 >14000 mg/kg (rabbit)

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

~5750 mg/l  
 1.06 mg/l (rat) Aerosol

**Eyes:** Corrosive

**Dermal Id<sub>50</sub>:** > 2000 mg/kg male and female rabbits.

**Skin absorption:** Not Established

**Oral LD<sub>50</sub>:** > 1890 mg/kg Male and Female rats.

**Inhalation LC<sub>50</sub>:** Not Established

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

**Skin effects:** Corrosive to skin.

### Carcinogenicity

**IARC:** No listed substance

**Corrosivity:** Corrosive

**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:** 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 product is toxic to fish and aquatic invertebrates.

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

**Chemical fate information:** Not Established

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal method:** Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.

**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:** Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

## SECTION 14: TRANSPORT INFORMATION

### DOT

Proper Shipping Name	Not Regulated
Placards	None
Label	None
U.S. Customs Harmonization #	3808.94.0000

### IATA/ICAO

Shipping Name	Not Regulated
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### IMDG/IMO

Shipping Name	Not Regulated
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## 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 - 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

**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>
	Sodium Carbonate	Pennsylvania Right To Know Substance New Jersey Right To Know Substance

**California Proposition 65:** No listed substance

**Carcinogen:** No listed substance

**FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act):** Regulated

**SECTION 16: OTHER INFORMATION**

NFPA	Health Hazards 3	Flammability 0	Instability 0	Special Hazard
HMIS	Health Hazards 3	Flammability 0	Physical Hazard 0	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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