

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: ShockWave RTU No. 8316
General Use: Ready to Use Disinfectant Cleaner
Product Description: Disinfectant and Cleaner
Chemical Family: Quaternary ammonium chloride blend
EPA Registration Number: 61178-2-73884

Information on the Supplier of the Safety Data Sheet

Manufactured For:	Emergency Telephone Numbers:
Fiberlock Technologies, Inc.	CHEM TEL: (U.S.): 1-800-255-3924
150 Dascomb Road	(Outside the U.S.): 813-248-0585
Andover, MA 01810	
P: 800-342-3755 F: 978-475-6205	

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements

Hazard Statements:
Causes eye irritation.
Causes mild skin irritation.
May be harmful if swallowed.

GHS Classifications

Health:
Skin Irritation, Category 3
Eye Irritation, Category 2B

PRECAUTIONARY STATEMENTS

Prevention: Wash hands thoroughly after handling. Keep only in original packaging. Keep out of reach of children.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. 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. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.

Storage: 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: Mild eye irritant.

POTENTIAL HEALTH EFFECTS

Eyes: Contact may cause mild eye irritation.

Skin: May be mildly irritating with prolonged or repeated contact.

Skin absorption: No known significant effects or critical hazards.

Ingestion: Although of moderate to low toxicity, ingestion of large amounts can cause gastrointestinal irritation, nausea, vomiting, diarrhea.

REPRODUCTIVE TOXICITY

Reproductive effects: No known significant effects or critical hazards.

Teratogenic effects: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Routes of entry: Eye, skin, ingestion.

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>
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	68391-01-5	0.07
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	68956-79-6	0.07
Water	7732-18-5	95-99

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: Slight discomfort with redness, watering eyes.

Skin: Prolonged contact may cause irritation marked by redness, slight burning sensation.

Ingestion: Stomach upset, vomiting.

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

Acute toxicity: Irritating to eyes, mild skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: None

Extinguishing media: Not required.

Explosion hazards: None

Fire-fighting procedures: No special requirements.

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 may be harmful to aquatic life.

Special protective equipment: No special requirements.

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

Personal Protective Equipment

Eyes and face: Safety glasses with side shields.

Skin: Rubber or other chemical resistant gloves.

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

Protective clothing: No special requirements.

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: 10.0-11.0

Percent volatile: >98

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: 8.33 at 20°C (68°F)

Specific gravity: 1 grams/ml. at 20°C (68°F)

Viscosity: Water thin.

(VOC): None

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to Avoid

None expected.

Hazardous Decomposition Products

None expected.

Incompatible Materials

Strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute

Chemical Name	Oral LD₅₀ (rat)	Dermal LD₅₀ (rabbit)
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	>1890 mg/kg (rat)	>2000 mg/kg (rabbit)
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	>500 mg/kg (rat)	>2000 mg/kg (rabbit)

DERMAL LD₅₀: >2000 mg/kg male and female rabbits.

ORAL LD₅₀: >5000 mg/kg male and female rats.

Eye effects: Mild to moderate eye irritant.

Skin effects: May irritate skin with prolonged or repeated contact.

Carcinogenicity

IARC: No listed substance.

Corrosivity: Not applicable.

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 material may be toxic to aquatic life.

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: Small quantities (less than 1 gallon) of used material may be flushed to sanitary sewer with copious amounts of water. Larger quantities must be disposed of by a licensed disposal company.

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

IMDG/IMO

Shipping Name 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 - 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.

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 1	Flammability 0	Instability 0	Special Hazard
HMIS	Health Hazards 1	Flammability 0	Physical Hazard 0	Personal Protection B

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.