

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: IAQ 2500 No. 8325
General Use: Ready-to-Use Disinfectant Cleaner
Product Description: RTU Tuberculocidal Disinfectant
Chemical Family: Quaternary Ammonium Chloride
EPA Registration Number: 1839-83-73884

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	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 eye irritation.
Causes mild skin irritation.
May be harmful if swallowed.

GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Skin Irritation, Category 3
Eye Irritation, Category 2B

PRECAUTIONARY STATEMENTS

Prevention: Wash hands thoroughly after handling. Keep only in original packaging.
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: Blue liquid

Immediate concerns: Moderate eye irritant.

POTENTIAL HEALTH EFFECTS

Eyes: Contact causes eye irritation.

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

Skin absorption: No known significant effects or critical hazards.

Ingestion: Harmful if swallowed.

REPRODUCTIVE TOXICITY

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	0.105
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	85409-23-0	0.105
Tetrasodium ethylenediamine tetraacetate	64-02-8	0-2
Diethylene Glycol Butyl Ether	112-34-5	5-10
Dye	N/A	<0.1
Fragrance	N/A	<1
Water	7732-18-5	90

SECTION 4: FIRST AID MEASURES

Eye Contact

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

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: Burning sensation with tears, redness.

Skin: Redness and itching sensation.

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: Irritating to eyes, mild skin irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: None

Extinguishing media: Not required.

Explosion hazards: None

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.

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

(50°F) Minimum to (120°F) Maximum

Storage Pressure

Store at ambient atmospheric pressure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

OSHA Hazardous Components (29 CFR1910.1200)

Chemical Name

Diethylene Glycol Butyl Ether

ACGIH TLV

TWA: 10 ppm

Supplier OEL

TWA: 35 ppm, NL mg/m³
STEL: NL ppm, NL mg/m³

Personal Protective Equipment

Eyes and face: Safety glasses with side shields.

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: Fresh

Odor threshold: Not Established

Color: Blue

pH: 11.5-12.0

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: 8.37 at 20°C (68°F)

Specific gravity: 1.003 grams/ml at 20°C (68°F)

Viscosity: Water thin.

(VOC): None

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable

Hazardous Polymerization

Will not occur.

Conditions to Avoid

Not Established

Hazardous Decomposition Products

None Expected

Incompatible Materials

Strong oxidizers

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
Diethylene Glycol Butyl Ether

Oral LD₅₀ (rat)

>1890 mg/kg (rat)
>500 mg/kg (rat)
3030 mg/kg (rat)
~4500 mg/kg (rat)

Dermal LD₅₀ (rabbit)

>2000 mg/kg (rabbit)
>2000 mg/kg (rabbit)
>5000 mg/kg (rabbit)
~2764 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: NA = Not Applicable

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.

Aquatic toxicity (ACUTE): Not Established

Chemical fate information: This product is biodegradable.

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.

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

EPCRA Section 313 Supplier Notification

Chemical Name	Wt %	CAS
Diethylene Glycol Butyl Ether	5-10	112-34-5

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 2 Flammability 0 Instability 0 Special Hazard

HMIS Health Hazards 2 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

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