

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: (800) 325-4869
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I - Product Identification

X ALGAE EXTRA

PRODUCT Algacide

CHEMICAL FORMULATION: Quaternary based disinfectant.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
n-Alkyl (60% C ₁₄ , 30% C ₁₆ , 5% C ₁₂ 5% C ₁₈) dimethyl benzyl ammonium chloride	5.00 N/E		N/E	N	N	N	68391-01-5
n-Alkyl (68% C ₁₂ , 32% C ₁₄) dimethyl ethylbenzyl ammonium chloride	5.00 N/E		N/E	N	N	N	68956-79-6
Ethanol	< 2.0	1000 ppm	1000 ppm	N	N	N	64-17-5

Key: **PEL:** Permissible Exposure Limit **TLV:** Threshold Limit Value **C:** Ceiling level **STEL** : Short Term Exposure Limit
N/A: Not Applicable **N/D:** Not Determined **N/E:** Not Established **Y:** Yes **N:** No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.992

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): 1.1%

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): ~ 1.0

SOLUBILITY IN WATER: Soluble

pH: N/D

APPEARANCE AND ODOR: Clear, colorless liquid, slight detergent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %) **UPPER:** N/A **LOWER:** N/A

EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: None.

CONDITIONS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon ammonia and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE** **CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation, redness, tearing, possible corneal injury.

IF ON SKIN: Irritation and dermatitis with prolonged or repeated contact.

IF SWALLOWED: Gastrointestinal irritation, nausea, vomiting, diarrhea.

IF INHALED: Irritation to respiratory tract, dizziness, headache.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

IF ON SKIN: Remove contaminated clothing and launder before re-use. Wash with soap and water.

IF SWALLOWED: Contact physician or poison control center immediately.

IF INHALED: Remove person to fresh air. Administer artificial respiration, if breathing has stopped.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and contain spill. Soak up on inert absorbent material and place in closed container for disposal. Flush residue with water.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION LOCAL: Recommended **MECHANICAL:** Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Avoid freezing. Keep container tightly closed when not in use. Wash thoroughly after using.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT ID #: None

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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