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# MSDS

## Material Safety Data Sheet

	<u>NFPA</u>	<u>HMIS</u>
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE		B

### Section 1 - Material Identification

#### Product: ECHOCIDE®

Synonym: Immersion Additive, Algaecide  
Manufacturer: Sonotech, Inc.  
Date Prepared: 5/03  
Emergency Phone: 800-458-4254 / 360-671-9121

### Section 2 - Ingredients (>0.1% by WT)

<u>Component</u>	<u>CAS</u>
Water (90%)	7732-18-5
N-Alkyl dimethyl benzyl-ammonium chloride	68424-85-1
Ethyl alcohol	64-17-5
Methyl alcohol	67-56-1

All required ingredients are listed on TSCA inventory.

**NOTE: Echocide contains 4.75-5.25 active ingredient**

### Section 3 - Health Hazards

	<u>Primary Route</u>	<u>Effect</u>
Eyes	Yes	May cause severe damage
Skin	Yes	Temporary irritation
Inhalation	Possible	Temporary irritation
Ingestion	Yes	May cause toxic effects

### Section 4 - First Aid

Eyes: Flush continuously with water for 15 minutes, holding eyelids open to rinse entire surface of the eye. Consult a physician as soon as possible.  
Skin: Remove contaminated clothing and launder before wearing again. Wash skin thoroughly with soap and water.  
Inhalation: Remove subject to fresh air  
Ingestion: Give large quantities of water, do not induce vomiting. Consult a physician as soon as possible.

### Section 5 - Fire and Explosion Data

Flash Point (method): N/A  
Upper Exposure Limit: None  
Lower Exposure Limit: None  
Extinguishing media: All standard firefighting media  
Special Precautions: Self Contained Breathing Apparatus and protective clothing should be worn in fighting fire involving chemicals  
Unusual Hazards: Products of combustion may be toxic. Contains ethyl alcohol.

### Section 6 - Accidental Release

If spill is in a confined area, wear MESA/NIOSH-approved respirator. Dike and contain spill with inert material and transfer to containers for recovery and disposal. Keep spills out of sewers and open bodies of water.

### Section 7 - Storage and Handling

Storage & Handling Precautions: Store at room temperature. Material is slippery.

### Section 8 - Exposure Controls

Respiratory Protection: Not required for normal operations  
Ventilation: Not required  
Protective Gloves: Impervious gloves  
Eye Protection: Splash-proof safety goggles  
Other Controls: Rubber apron to protect from splashing or spilling

### Section 9 - Physical Data

Boiling Point (pressure): N/A  
Density: .99 g/cc  
Vapor Density : N/A  
Vapor Pressure (temp): N/A  
Volatile Organic Compounds: 5%  
Percent Solids: <2%  
Solubility in water: complete  
Appearance & Odor: clear liquid, mild alcohol odor

### Section 10 - Reactivity Data

Stability: Stable  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon and nitrogen and small amounts of chloride fumes  
Incompatibility: Strong oxidizing or reducing agents

### Section 11 - Toxicology Information

Oral toxicity: N/A  
Skin irritation: N/A  
Eye Irritation: Concentrate may cause severe tissue damage.  
Known / Suspected Carcinogens: None

### Section 12 - Ecological Information

No information available

### Section 13 - Disposal

Follow applicable federal, state and local regulations.

### Section 14 - Transportation Information

Domestic Regulations: None  
DOT Designation: None  
Hazard Class: None  
ID Number: None  
Packing Group: None  
International Regulations: None known

### Section 15 - Regulatory Information

**This product is an EPA-registered pesticide.** EPA registration No. 68527.

WHMIS: Class E (Occupational Health & Safety Canada) hazard class: May cause severe eye damage  
EPCRA 311/ 312 Categories: Components in this product which could require reporting due to their inclusion in one of the five hazard categories in 40 CFR 370 are N-Alkyl (C12-16)-N,N-dimethyl-N-benzylammonium chloride (5%) IMMEDIATE ACUTE HEALTH HAZARD and ethyl alcohol (1%) FIRE HAZARD.

*This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200. Sonotech believes this information to be reliable and up to date as of the date of this publication, but makes no warranty that it is. If this MSDS is more than three years old, you should contact Sonotech at the phone number provided above to verify that this sheet is current.*