

**CHEMICAL NAME:**  
Dimethyl Benzyl Ammonium Chlorides -  
Methyl Benzyl Ammonium Chlorides

**TRADE NAME:** Oxy Algacide 50

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**SECTION VIII - REACTIVITY DATA**

**Stability:** Stable  
**Conditions to Avoid:** N/A  
**Incompatibility (materials to avoid):** Strong oxidizers or reducing agents.  
**Hazardous Decomposition Products:** Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.  
**Hazardous Polymerization:** Will not occur.

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**SECTION IX - SPILL, LEAKAGE & DISPOSAL PROCEDURES**

**Steps to take if material leaks or spills:** Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.  
**Waste disposal method:** Incinerate. Must comply with all Federal, State and Local regulations.

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**SECTION X - SPECIAL PROTECTION INFORMATION**

**Ventilation:** Mechanical  
**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor wear NIOSH approved respirator.  
**Protective Gloves:** Rubber or Neoprene  
**Eye Protection:** Splash-proof safety goggles  
**Other Equipment:** Impervious apron, eyewash facility, emergency shower, face shield.

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**SECTION XI - SPECIAL PRECAUTIONS DATA**

**Handling and Storage:** Keep from freezing. Store in original container.  
**Other:** None.

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**SECTION XII - TRANSPORTATION INFORMATION**

This material is not regulated as a DOT hazardous material.

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The information herein is given in good faith but no warranty, expressed or implied, is made.  
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PRODUCT NAME:  
OXY ALGAECIDE 50

MATERIAL  
SAFETY DATA  
SHEET  
4/01/97

### SECTION I - IDENTIFICATION

**SYNONYMS:** n-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) Dimethyl Benzyl Ammonium Chlorides-49.8%  
dialkyl (80%C14, 30%C16, 5%C12, 5%C18)Methyl Benzyl Ammonium Chlorides - 0.2%

**CHEMICAL FAMILY:** Quaternary Ammonium Compounds

**CHEMICAL FORMULA:**  $[R_1-N(CH_3)_2CH_2C_6H_5]^+ Cl^-$

**TRADE NAME:** Oxy Algaecide 50

**DESCRIPTION:** Beige liquid having a Benzaldehyde odor.

**CAS NO.** 88391-01-5 / 73049-75-9

**HMIS HAZARD RATINGS:** Health Hazard: 3      Fire Hazard: 1      Reactivity: 0

### SECTION II - PHYSICAL DATA

**Boiling Point:** N/A

**Freezing Point:** N/A

**Percent Volatile (by wt.):** N/A

**Evaporation Rate Butyl Acetate = 1:** N/A

**Solubility in Water:** Soluble

**Vapor Pressure:** Approx. 24mmHg

**Specific Gravity: (H20=1)** 0.98

**pH:** 6-8

### SECTION III - HAZARDOUS INGREDIENTS

	% wt.	TWA/TLV
Alkyl Dimethyl Benzyl Ammonium Chloride	49.8%	N/A
Dialkyl Methyl Benzyl Ammonium Chloride	.2%	N/A

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 200°F PMCC

**Auto Ignition Temp.:** N/A

**Flammable Limits in Air % By Volume:** N/A

**Extinguishing Media:** Dry Chemical, Water, CO<sub>2</sub>, Foam.

**Special Fire Fighting Procedures:** Cool fire exposed containers with spray. Must wear MSHA/NIOSH approved self contained breathing apparatus.

**Unusual Fire Explosion Hazards:** None

### SECTION V - HEALTH HAZARD DATA

#### EFFECTS OF OVEREXPOSURE:

**Inhalation:** Irritation of mucous membrane can be caused by solvent

**Eye:** Corrosive. Severe eye damage can result from direct contact.

**Skin:** Severe Irritation

**Ingestion:** May be fatal. Burning pain in the mouth, throat, abdomen, severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions.

### SECTION VI - EMERGENCY AND FIRST AID PROCEDURE

**INHALATION:** Remove patient to fresh air.

**EYE:** Immediately flush with plenty of water for at least 15 minutes. Call a physician.

**SKIN:** Flush skin with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before reuse.

**INGESTION:** Promptly drink a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

**\*Note to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### SECTION VII - TOXICOLOGY

**Oral LD50:** 735 mg/kg for males and females combine      **Eye Irritation:** Corrosive

**Acute Dermal:** greater than 3350 mg/kg      **Skin Irritation:** Corrosive, Severe Irritant