

# BAROCHEM<sup>T.M.</sup> - B464

## MICROBIOCIDES

BAROCHEM-B464 is a microbiocide for use in industrial recirculating cooling water towers to reduce the number of living algae and bacteria.

### DANGER

Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Do not breathe vapor. Use with adequate ventilation. Harmful or fatal if swallowed. Avoid contamination of food.

### FIRST AID

**EXTERNAL** — In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

**INTERNAL** — If swallowed, drink promptly a large quantity of milk, 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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

FORM NO. 518

### Active Ingredients

Alkyl (as in fatty acids of coconut oil) dimethyl benzyl ammonium chloride

Bis (tri-n-butylin) oxide

Inert Ingredients:

EPA Registration No.

Net Weight

55 gallon drum  
5 gallon can

Percent by Weight

20.00

2.85

77.15  
100%

17664-16

454 lbs.  
41.2 lbs.

### USE DIRECTIONS

To control algae and bacteria, use BAROCHEM-B464 as directed. The frequency of treatment depends on many factors which should be established by biological tests. To optimize the use of BAROCHEM-B464, follow the procedure below:

1. **Initial Application** — When the system is noticeably fouled, apply 19.2 to 32.0 fluid ounces of BAROCHEM-B464 per 1000 gallons of water (150 to 250 ppm of product). This treatment should be applied at a point in the system where it will be uniformly mixed.

Repeat until control is achieved.

2. **Subsequent Application** — When microbial control is evident, add 5.1 to 15.4 fluid ounces of BAROCHEM-B464 per 1000 gallons of water (40 to 120 ppm of product) each week, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

This product is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not reuse empty container. Destroy container by perforating or crushing. Bury or discard in a safe place away from water supplies.

17664-16

ACCEPTED  
June 26, 1975  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENTICIDE ACT  
FOR ECONOMIC  
ED UN- 17664-16



BAROID DIVISION

N L Industries, Inc.

P.O. BOX 1675 HOUSTON, TEXAS 77001

## DANGER

Keep Out of Reach of Children.

See First Aid statement and other precautionary statements on the left panel.



is very effective against sulfate reducing bacteria.

BAROCHEM-B464 is a nonoxidizing chemical and will not attack cooling tower wood. This product is not corrosive to metals in the system. BAROCHEM-B464 is compatible with other chemical treatments at normal use concentrations.

**PHYSICAL PROPERTIES:**

Specific Gravity at 68 F .....	0.990
Density, lb/gal .....	8.25
Viscosity, SUS at 70 F .....	59
Flash Point, F (Tag Open Cup) ...	None
Pour Point, F .....	17
pH, Concentrate .....	6.4

**CHEMICAL DESCRIPTION:**

BAROCHEM-B464 is a liquid blend of cationic quaternary ammonium and organometallic compounds.

**LIMITATIONS:**

BAROCHEM-B464 is toxic to fish and wildlife. Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes.

and microbiological analyses. Recommended treating rates are:

1. Initial Application--When the system is noticeably fouled, add 19.2 to 32.0 fluid ounces of BAROCHEM-B464 per 1000 gallons of water in the system (150 to 250 ppm of product). This treatment should be applied at any point of rapid circulation in the basin where it will be uniformly mixed. Treatment should be repeated until control is achieved.

2. Subsequent Application--When microbial control is evident, slug feed 5.1 to 15.4 fluid ounces of BAROCHEM-B464 per 1000 gallons of system water (40 to 120 ppm of product) each week, or as needed to maintain control.

Badly fouled systems must be mechanically cleaned before treatment is begun in order to prevent fouling of heat exchangers caused by massive kill of microbiological growths.

**FEEDING:**

BAROCHEM-B464 should be fed as the concentrated product and not diluted with water nor mixed with other chemicals.

**PACKAGING:**

BAROCHEM-B464 is packaged in 5-gallon cans and 55-gallon drums.

**BAROID DIVISION ICI INDUSTRIES, INC. HOUSTON, TEXAS**

Alcohols • Amines • Analytical Reagents • Anticorrosives • Gas Treaters • Heat Exchangers • Inhibitors • Lubricants • Pigments • Polymers • Solvents • Surfactants • Water Treatment Chemicals • Well & Oil Field Chemicals

Cameraman's Note

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