

ALPHA 544

Controls bacteria, fungi, and yeasts in enhanced oil recovery systems, and controls bacteria, fungi, and algae in industrial recirculating water cooling towers.

FOR INDUSTRIAL USE ONLY

Active Ingredients:

2,2-Dibromo-3-nitropropionamide	20%
Inert Ingredients:	80%
	100%

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUSES SEVERE BURNS OF EYES • EYE CONTACT
MAY CAUSE LOSS OF VISION • MAY BURN THE
SKIN • MAY BE HARMFUL OR FATAL IF SWALLOWED

Do Not Get In Eyes, on Skin, or on Clothing • Chemical Worker's Goggles Must Be Worn When Handling • Wash Thoroughly After Handling.

FIRST AID: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. In case of skin contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation persists. If swallowed, immediately induce vomiting by giving two glasses of water and slapping finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Manufactured For:

UNICHEM

A Division of BJ Services Company, U.S.A.

707 N. Leech P.O. Box 1499
Hobbs, New Mexico 88241
(505) 393-7751

E.P.A. Registration No. 68329-7
E.P.A. Establishment No. 68329-NM-1
Made in U.S.A.

Net Contents: Marked on Container

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Storage: To maintain product quality, store at temperatures below 60° C. Keep container tightly closed when not in use.

Pesticide Disposal: 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 the nearest EPA Regional Office for guidance.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

NOTE: ADD ALPHA 544 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES. IN ORDER TO AVOID DECOMPOSITION OF ALPHA 544 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

ENHANCED OIL RECOVERY SYSTEMS

For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts, and fungi in oil field water, polymer or micellar floods, water-disposal systems, or other oil field water systems, add 1-80 ppm ALPHA 544 (0.1-6.4 gal. ALPHA 544 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

Continuous Feed Method

When the system is noticeably fouled, add 10-80 ppm ALPHA 544 (0.8-6.4 gal. ALPHA 544 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm ALPHA 544 (0.1-1.2 gal. ALPHA 544 per 2400 barrels of water) continuously or as needed to maintain control.

Intermittent or Slug Method

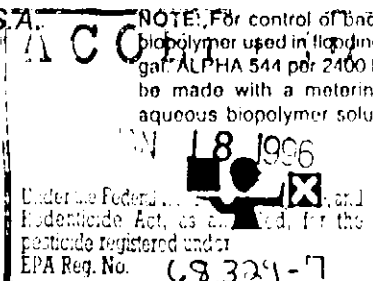
When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm ALPHA 544 (0.8-6.4 gal. ALPHA 544 per 2400 barrels of water) intermittently for 4-8 hours per day, and from 1-4 times per week, or as needed depending on the severity of contamination.

Addition of ALPHA 544 may be made at the free water knockouts, before or after the injection pumps and injection well headers.

NOTE: For control of bacteria, yeast, and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-80 ppm ALPHA 544 (1.2-6.4 gal. ALPHA 544 per 2400 barrels of water). Additions of ALPHA 544 should be made with a metering pump immediately after preparation of the aqueous biopolymer solution to prevent loss of viscosity.

NOTICE

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing



INDUSTRIAL RECIRCULATING WATER COOLING TOWERS

Add ALPHA 544 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; it may be continuous or intermittent, depending on the severity of the contamination when treatment is begun, and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

FOR CONTROL OF BACTERIA

Add 0.00095-0.0095 gal. ALPHA 544/1,000 gal. of water in the system, depending on the severity of contamination.

Intermittent or Slug Method

Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal. ALPHA 544/1,000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal. ALPHA 544/1,000 gal. of water in the system every 4 days, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal. ALPHA 544/1,000 gal. of water to the system

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal. ALPHA 544/1,000 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 0.029-0.095 gal. ALPHA 544/1,000 gal. of water in the system depending on the severity of contamination.

Intermittent or Slug Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal. ALPHA 544/1,000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.029-0.095 gal. ALPHA 544/1,000 gal. of water in the system daily, or as needed to maintain control.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal. ALPHA 544/1,000 gal. of water to the system.

Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal. ALPHA 544/1,000 gal. of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.