	EPA REGISTRATION NO.	DATE OF ISSUANCE			
US ENVIRONMENTAL PROTECTION AGENCY	11541-12	JAN 1 5 1986			
OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75: 767) WASHINGTON, DC 20460	TERM OF ISSUANCE				
NOTICE OF PESTICIDE: REGISTRATION	NAME OF PESTICIDE PRODUCT	16F4 1m32			
(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	O'B Alge-120	1'm 32			
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)	 				
		1541-12			
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O'Brien Industries, Inc.					
95 Porsa Avenue Livingston, NJ 07039					
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NGTE: Changes in labeling formula differing in substance from submitted to and accepted by the Registration Division prior product always refer to the above U.S. EPA registration numbers.	to use of the label in commerce.	ith this registration must be In any correspondence on this			
On the basis of information furnished by the registrant, the a the Federal Insecticide, Fungicide, and Rodenticide Act.		Registered/Reregistered under			
A copy of the labeling accepted in connection with this Reg.	stration/Reregistration is returne	ed herewith.			
Registration is in no way to be construed as an indorsement health and the environment, the Administrator, on his motion icide in accordance with the Act. The acceptance of any name Act is not to be construed as giving the registrant a right to by others.	or approval of this product by thi , may at any time suspend or cand ne in connection with the registra	s Agency. In order to protect cell the registration of a pest-tion of a product under this			
This product is conditionally registered in accordance with FIFPA section 3(c)(7)(A) provided that you: 1. Submit and/or cite all data required for registration/reregistration of your product under FIFPA section 3(c)(S) when the Agercy requires all registrants or similar products to submit such data. 2. Add the phrase "EPA Registration %0. 11541-12" to your label before you release the product for shipment. 3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Pefer to the A-79 Enclosure for a further description of final printed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFPA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. A. E. Castillo Product Manager (32) Disinfectants Branch Pegistration Division (TS-767C) Enclosures					
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ATTACHMENT IS APPLICABLE		:			
SIGNATURE OF APPROVING OFFICIAL		DATE			

JAN 2 5 1986

so cancred, for the personal moder EIM. In 11541—12

Controls bacteria, fungi, and yeasts in paper mills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi, and algae in industrial recirculating water cooling towers and in once-through fresh and sea water industrial cooling water systems; controls slime-forming bacteria and fungi in air-washer systems.

FOR INDUSTRIAL USE ONLY

Active Ingredients:	
2,2-Dibromo-3-nitrilopropionamide	20%
Inert Ingredients:	60%
E.P.A. Regit ation No. 11541	
E.P.A. Est. 11541-NJ-02	

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 sticking finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an union scious person.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Apply this product only a specified on this tabel. Do not contaminate water becleaning of equipment, or disposal of wastes. NOTE Do not discharge into takes, streams, ponds, or put waters, unless in accordance with a NPDES period for guid ince, cultact your regional office of the EPA.

In case of an emergency endangering life or property involving this product, call collect 216~721-680 0

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 rinss (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 O'B Alge-120 SEPARATELY TO THE SYSTEM DO NOT MIX IT WITH OTHER ADDITIVES IN ORDER TO AVOID DECOMPOSITION OF .0'B Alge-120 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal, and yeast growths in pulp, paper, and paperboard mills, add. O'B Alge 120 at the rate of 0.15-0.50 lb tonicf pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of O'B Alge-120. In the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-ails, and white-water tanks.

Heavily fouled systems should be boiled out then treated with 0.15-0.35 ib. $0^{1}\,B$ $Alge{-}120$ ton of paper (dry basis), as necessary for control

Moderately fouled systems should be treated continuously with 0.35-0.50 ib. 0°B. Alge=120. Ion of paper idny basist until the stime accumulation is continued. Addition rates can then be reduced to 0.15.0.35 ib.0°B. Alge=120. Itom of paper on a continuous or intermittent basis, as needed for



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O'B-ALGE-120



Distodged stime may cause breaks in the nd a clean-up of the paper machine may

fouled systems should be treated continuth 0 15-0 35 ib 0 B Alge-120 item of lry basis) until the slime is controlled then n an intermittent pasis to maintain control

.WORKING FLUIDS CONTAINING

duct is effective in metalworking fluid con-5 which have been diluted in water at relicis

roff in minibiting) the growth of basteria. id yeasts that may deteriorate metalworking ntaining water add O B Alge-120 to in the correction tank. Additions should be Ih a metering pump

Slug Dose Withouthe system is just fill. d add 025 ga 0 B Alge 120 stalworking fluid to the system. Recent on

ient Dose; When microbial control is evicent 1.2 gal O'B Alge-120 11 000 ga 11 rking fluid per da, for as needed to maintain Additions can be made continuously at littler Slug the system as required

ICED OIL RECOVERY SYSTEMS

folling same-forming bacteria, surface to acterial years, and fung- in oil form with primiceliar floods, water-disposal systems, or field water systems, and 3-8 (): ige 120 to 184 out 0 B Algu- 120 parrels of watery depending on the collection lation. Additions should be made with a pump either continuously or intermittently.

us Feed Method

system is noticeably fouled add 10.80 ppm. Badly fouled at 1ge=120 10.8-6.4 gat 0.8 Alge=120 ment is begun. 240" harrels of water) continuously until the enviolations of control is conteved. Subsequently ⇒ 転ご 0 *B A1ge - 120 | .ge=120 | per2400 barie 5 1 k /-

int or Slug Method

system is not ceably fouled londer laintain of the system add 10.80 prm 1e-120 08.64 gar 0 B Alge-120 barrels of waters intermittently for 4 single ind from 1-4 times per week. Or as reserve g on the severity of contamination

or as needed to maintain contic-

Applican of O B Alge-120 may be made at the free water knockouts before or after the injection pumps and injection well readers

NOTE: For control of pacteria, yeast, and fungi in aqueous solutions of biopolymes used in flooding operations, and 15-80 cm O'B Alge-120 (12-64 cal O'B Alge-120 per 2400 barrels of winditions of O'B Alge-120 should be is metering by not immediately after preparelaqued of the simer solution to prevent

INDUSTRIAL RECIRCULATING WATER

COOLING TOWERS And O'B Alge-120 to the basin (or any other point of uniform mixing. Andition should be made with a metericia purior it may be continuous or intermittent, dependence on the severity of the contanunation when the months begun, and the retentranitime in the sink

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

FOR CONTROL OF BACTERIA

Add 0 00095-0 0006 to 0 B Alge- 120 1000 gal of water in the system idepending on the severity of contamination

Intermittent or Slug Method

Initial Dose: When the contemps noticeably fouled, add 0 0048-0 6095 ga: O'B Alge-120 3,000 gal of water in the spoken. Repeat until control is achieved

Subsequent Dose: When microbial control is evident. add 0 0024-0 0095 gar O B Alge-120 11,000 gat of water in the system every 4 days, or as needed to

Badly fouled systems must be cleaned before treat-

Continuous Faed Method

Initial Dose: When the cystem is noticeably fouled add 0.0048-0.0031 pt. O.B. Alge=120 1.000 gal of water to the system.

Subsequent Dose, Maintain this level by pumping a continuous feed of 0,00095-0,0048 gat O B Alge 120 1 000 gal of water in the system

Badly fouled systems must be cleaned before treatment is begun

FOR CONTROL OF FUNGI AND ALGAE Add 0.029-0.095 gal O B Alge-120 1.000 gal of water in the system depending on the severity of contamination.

Intermittent or Sive Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal 0 B Alge-120 1 000 gal of water in the system. Repeat until control is

Subsequent Dose: When microbial control is evident, add 0.029-0.095 gal O'B Alge=120 1000 gal of water in the system daily, or as needed to maintain.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fooled. add 0.048-0.095 gal C1B Alge- 120 1000 gal of water to the system.

Subsequent Dose: Maintain this treatment angle by pumping a continuous feed of 0.025 C 195 gar O B Alge-1201,000 gal of water in the system

Badly fouled systems must be cleaned before treatment is begun

ONCE-THROUGH !NDUSTRIAL **COOLING WATER SYSTEMS**

For controlling bacteria, fungi, and algae in oncethrough and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and ladouns, add O'B Alge- I20 to the system into water or before any other contaminated area in the 12 tens Addition should be made with a melering 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.

FOR CONTROL OF BACTERIA

Add 1-12 ppm O'B Alge-120 based on the flow rate through the system, depending on the severity of contamination

Intermittent Method

Initial Dose: When the system is national a fouled add 6-12 ppm O B Alge-120 Monunitreatment intervals should be 15 minutes. Repeat until control is achieved

Subsequent Dose: When microbial control is a sevent add 3-12 ppm O'B Alge= 120 interestications 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 6-12 ppm Of B Alge=120 continuously to the system.

Subsequent Dose: When microbial control is evident, pump a continuous feed of 1-6 ppm O B Alge-120 to the system

Badly fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF FUNGI AND ALGAE

Add 36-118 ppm O B Alge=120 based on the flow rate through the system, depending on the severlity of contamination.

Intermittent Method

initial Dose: When the system is noticeably fouled, add 60-118 ppm O B Alge- 120 Ic the system. The minimum treatment interval should be 15 minutes. Repeat until control is achieved

Subsequent Dose: When microbial control is evident, add 36-118 ppm O B Alge= 120 ic the system daily or as needed to maintain control the minimum treatment interval should be 15 minutes

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

initial Dose: When the system is noticeably fouled, add 60-118 ppm O B A1ge-120 to the system

Subsequent Dose: When microbial control is evident. pump a continuous feed of 36-118 pum Q1R Alge-120 to the system

Badly fouled systems must be cleaned before treatment is begun

AIR-WASHER SYSTEMS

Add 0.0015 - 0.095 gal O B A1ge = 120 -1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems

Intermittent or Slug Method

Initial Doce: When the system is noticeably fouled, add 0.003-0 095 gal O B A1ge=120 1000 gal of water in the system. Repeat until control is

Subsequent Dose: When microbial control is evident add 0 0015 - 0 047 gal. O B A1ge= 120 1 000 gal of water in the system every 2 days or as needed to 1/ maintain control

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FOR CONTROL OF FUNGIAND ALGAE Add 0.029-0.095 gal O B Alge-120 1000 gal

of water in the system depending on the severity of contamination

Intermittent or Siug Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal O B Alge-120 1000 gal of water in the system. Repeat until control is

Subsequent Dose: When microbial controllis evident, add 0.029-0.095 gal O'B Alge-120 1000 gat of water in the system daily, or as needed to maintain

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fauled, add 0.048-0.095 gal O B Alge- 120 1000 gal of water to the system.

Subsequent Dose: Maintain this treatment level by pymping a continuous feed of 0.025-0 055 gat 0 B Alge-1201,000 gat of water in the system

Badly fouled systems must be cleaned but in treatment is begun

UNCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacterial fungi, and aigne in oncethrough and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and laccons, add O'B Alge-120 I to the system what was a cr before any other contaminated area in the contaminated 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

FOR CONTROL OF BACTERIA

Add 1-12 ppm O'B Alge=120 based on the flow rate through the system, depending on the severity of contamination

Intermittent Method

Initial Dose: When the system is noticeat a fouled. add 6-12 ppm O B Alge= 120 Minimum treatment intervals should be 15 minutes. Repeat until control is achieved

Subsequent Dose: When microbial control is content. add 3-12 ppm O'B Alge= 120 internitient, as needed to maintain contro!.

Badly fouled systems must be cleaned tiefore treatment is begun.

Continuous Feed Method

initial Dose: When the system is noticeably fouled. add 6-12 ppm OFB Alge=120 continuously to

Subsequent Dose: When microbial conincing saident. pump a continuous feed of 1-6 - 0 B A1co-120 to the system

Badly fouled systems must be cleaned to free treatment is begun

FOR CONTROL OF FUNGI AND ALGAE

Add 36-118 ppm 0 B Alge= 120 based on the flow rate through the system, depending on the severity of contamination.

Intermittent Method

Initial Dose: When the system is noticeably fouled. add 60-118 ppm 0 B Alge- 120 to the system. The minimum treatment interval should be minutes. Repeat until control is achieved

Subsequent Dose: When microbial non troller evident add 36-118 ppm () B A1ge= 120 at the system. daily or as needed to maintain controlline minimum treatment interval should be 15 minutes

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

initial Dose: When the system is noticeably fouled. add 60-118 ppm 0 B Alge-120 to the system

Subsequent Dose: When microbial control is evident pump & continuous feed of 36-118 ; in O'B to the system Alge=120

Badly fouled systems must be cleaned before treatment is begun

AIR-WASHER SYSTEMS

Add 0.0015 - 0.095 gal O B Alge- 120 1.000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems

Intermittent or Slug Method

Initial Dose: When the system is noticeably fouled, add 0.003-0 095 gal O B Alge=120 1000 ga! of water in the system. Repeat uniii control is

Subsequent Dose: When microbial control is evident. add 0 0015 - 0 047 gal. O B Alge- 120 1 000 gal of water in the system every 2 days or as needed to 1. 7 mil an il interprises Company maintain control

Badly fouled systems must be cleaned before treatment is begun

Continuous Feed Method

initial Dose: When the system is noticeably fouled, and 0 003 - 0.095 gal O'B Alge-120 /1,000 gal of water in the system

Subsequent Dose: Maintain this level by pumping a continuous feed of 0 0015 - 0 047 gal O B Alge-120 1,000 gal of water in the system per day.

Badly fouled aystems must be cleaned before treatment is begun

Note: For use only in inoustrial air-washer systems that maintain effective mist eliminating components

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 rior any other warranty of MERCHA! TY OR FITHESS FOR A PARTICU-LAR PHE. 955 or implied, extends to the use of this proc. cintrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.



NOTICE

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

net kg/ lb



2686 Lisbon Road C'avriand, Ohio 44104

15 Drink Avenue Lizinuston, N.J. 07039

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Form 8570-6 (Rev. 5-76)	PREVIOUS EDITION	ON MAY BE USED UNTI	L SUPPLY IS EXHAUSTED.	
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J. ... 17 Pengagik and Rotental as amended, for the ; registered under EVA 1. 11541-12

Controls bacteria, fungi, and yeasts in paper milis, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungl, and algae In Industrial recirculating water cooling towers and in once-through fresh and sea water industrial cooling water systems; controls slime-forming bacteria and fungi in air-washer systems.

FOR INDUSTRIAL USE ONLY

Active Ingredients:

2,2-Dibromo-3-nitrilopropionamide 20%

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animali 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 sticking finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person

ENVIRONMENTAL HAZARDS

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This product is toxic to fish. Apply this product only 8: specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. NOTE: Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit For guidence centactyour regional office of the EPA

In case of an emergency endangering life or property involving this product, call collect 216-721-6800

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.

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DIRECTIONS FOR USE

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NOTE: ADD 0'B Alge-120 SEPARATELY TO THE SYSTEM DO NOT MIX IT WITH OTHER ADDITIVES IN ORDER TO AVOID DECOMPOSITION OF .0'B Alge-120 DUE TO THE HIGH PH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal, and yeast growths

in pulp, paper, and paperboard mills, add .

O¹ B Alge 120 at the rate of 0.15-0.50 lb ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of 0 B Alge-120 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks.

Heavily fouled systems should be boiled out, then treated with 0.15-0.35 lb O B Alge- 120 ton of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lb 0 B Alge-120 ton of paper (dry basis) until the slime accumulation # controlled Addition rates can then be reduced to 0.15-0.35 to 0.18 Alge-120 Iton of paper a continuous or intermittent basis, as needed to

O'B-ALGE-12()

control. Dislodged stime may cause breaks in the paper and a clean-up of the paper machine may he advisable.

Slightly fouled systems should be treated continuously with 0.15-0.35 ip O B Alge-120 iton of paper (dry basis) until the slime is controlled, then acred on an intermittent basis to maintain control

METALWORKING FLUIDS CONTAINING WATER

Inis product is effective in metalworking fluid concentrates which have been diluted in water at ratios -11100-1:4

Fur control: inhibiting) the growth of bacteria lungs, and yeasts that may deteriorate metalworking fluids containing water add O'B Alge-120 to the fluid in the collection tank. Additions should be made with a metering oump

Initial or Slug Dose: When the system is just not and biv fouled, add 0.25 ga! O R Alge=120 gal of metalworking fluid to the system. Repeat chi control is achieved.

Subsequent Dose: When microbial control is evice 14 add 0.1-0.2 gal O'B Alge-120 /1.005 gal : metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or rifer mittently. Slug the system as required

ENHANCED OIL RECOVERY SYSTEMS

For controlling stime-forming bacteria, suffide three ducing bacteria, yeasts, and fungi in oil field water polymer or micellar floods, water-disposal systems, or other oil field water systems and 1-80 cm 0 B Alge 120 (0.1-6 4 gal O B Alge- 120 per 2400 barrels of water) depending on the seventy 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 Badly fouled sy 0 B Alge-120 -(0.8-6.4 gal 0 B Alge-120 ment is begun. per 2400 harrels of water) continuously until the desired den in of control is achieved. Subsequently O'B Alge-120 per 2400 barrels of water Involving or as needed to maintain control

Intermittent or Sing Method

When the system is noticeably fouled, or to maintain control of the system, add 10.80 ppm O'B Alge-120 08.64 gal O'B Alge-120 per 2400 barrels of water) intermittently for 4-6,50 ars per day, and from 1.4 times per week, or as needed depending on the severity of contamination

socition of O B Alige- 120 may be made at the free water knockouts between after the injection cumps and injection we inheceis

NCTE: For control of bacteria, yeast, and fund in squeous solutions of biopolymer used in flooding operations, and 15-85 cm 0 B Alge-120 (12-64 gal 0 B Alge-120 per 2400 barrels of windstons of 0 B Alge-120 should be a materina to a simmediately after prepa-e aquecus simmer solution to prevent

INDUSTRIAL RECIRCULATING WATER

COOLING TOWERS And O'B Alge-120 to the basin (or any other point of uniform makes. Addition should be made with a metering in the may be continuous or intermittent, deta the severity of the confamination when the most speque, and the retention time in the system

Optimum performance with this product is attained by continuous or later attent treatment, if shock" treatment is used the transform should be discontinued for 24-48 factors

FOR CONTROL OF BACTERIA

Add 0.00095-0.0095 at 0 B Alge-120 1.000 gal of water in the system depending on the severity of confaraination

Intermittent or Slug Method

Initial Dose: When the contem is noticeably fouled. add 0.0048-0.0095 ga! O'B Alge=120 /1.000 gal of water in the sister. Repeat until control is achieved

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gai O1B Alge=120 1,000 gal of water in the system every 4 days, or as needed to maintain control

Badly fouled systems must be cleaned before treat-

Continuous Feed Method

Initial Dose: When the system is noticeably found, add 0.0048-0.0091 gar 0 B Alge=120 1,000 gal of water to the system

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.00095-0.0048 gal 0 B Alge 120 1.000 gal of water in the system

Badly fouled systems must be cleaned before treatment is begun.

FOR CONTROL OF FUNGIAND ALGAE Add 0.029-0.095 gal 0 B Alge-120 1.000 gal of water in the system depending on the severity of contamination.

intermittent or Siva Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal O B Alge-120 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 O'B Alge-120 : 000 gal of water in the system daily, or as needed to maintain.

Badly fouled systems must be cleaned before treatment is beoun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled. add 0.048-0.095 gal O'B Alge- 120 ' 000 gal of water to the system.

Subsequent Dose: Maintain this treatment reset by symping a continuous feed of 0.029-0 095 gat O'B Alge-1201,000 gat of water in the system

Badly fouled systems must be cleaned before treatment is begun.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi, and algae in oncethrough and clused-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add O'B Alge-120 to the system in ct water or before any other contaminated area in the exclen-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.

FOR CONTROL OF BACTERIA

Add 1-12 ppm 0 B Alge-120 based on the flow rate through the system, depending on the severity of contamination.

Intermittent Method

Initial Dose: When the system is noticeat a fouled add 6-12 ppm 0 B Alge-120 Minimum treatment Intervals should be 15 minutes. Repeat until control is achieved.

Subsequent Dose: When microbial control is exment add 3-12 ppm O B Alge = 120 intermitter ", as needed to maintain control.

Badly fouled systems must be cleaned tiefore treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 6-12 ppm O*B Alge=120 continuously to the system.

Subsequent Dose: When microbial control is evident, pump a continuous feed of 1-6 ppm = 0.1 B = Alge-120 to the system

Badly fouled systems must be Cleaned traffore treatment is begun

FOR CONTROL OF FUNGI AND ALGAE

Add 36-118 ppm 0 B Alge=120 based on the flow rate through the system, depending on the sever-lity of contamination.

Intermittent Method

Initial Dose: When the system is noticeably fouled, add 60-118 ppm O¹B Alge-120 to the system. The minimum treatment interval shoetal to 15 minutes. Repeat until control is achieved.

Subsequent Dose: When microb at an anticol is evident add 36-118 ppm O ¹ B | Alge=120 | ic the system daily or as needed to maintain control. The minimum treatment interval should be 15 minutes.

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 60-118 ppm 0 1 B. Alge-120 to the system

Subsequent Dose: When microbial control is evident pump a continuous feed of 36-118 r.pm of B Algew 120 to the system

Badly fouled systems must be cleaned before treatment is begun

AIR-WASHER SYSTEMS

Add 0.0015 - 0.095 gal 0 ¹B Alge= 120 .1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air-washer systems

Intermittent or Slug Method

Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal O B Alge-120 1000 gal of water in the system Repeat until control is achieved

Subsequent Dose: When microbial control is evident add 0.0015 - 0.047 gal. 01B | 1 me = 120 | 1.000 gal of water in the system ever | 2 ays or its needed to A Zintan Euterprises Company maintain control

Badly fouled systems must be cleaned before treatment is begun.

Continuous Feed Method

Initial Dose: When the system is noticeably fouled, add 0.003 - 0.095 gat 0 B Alge- 120 /1,000 gat of water in the system

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.0015 - 0.047 gal 0.1 B. Alge-120, 1.000 gal of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

Note: For use only in industrial pin-washer systems that maintain effective mist earn matting components.

Notice: Seller warrants that the product conforms to its chemical description and is reasonably lit for the purposes stated on the labe; when used in accordance with directions under normal conditions of use but neither the warranty nor any other warranty of MERCHA!

TY OR FITNESS FOR A PARTICULAR FUEL:

LAR FUEL:

LIST or implied, extends to the use of this prod.

Intrary to tabel instructions, or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.



NOTICE

Do Not Ship or Store with Food. Feeds, Diugs, or Clothing

net	kg/	lb
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. 2686 Lisbon Road . Cisvriand, Ohio 44104

25 Digita Avanua Lizinusion, N.J. 07039

BEST AVAILABLE COPY

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ned before treat-

FOR CONTROL OF FUNGI AND ALGAE Add 0.029-0.095 gal 0 B Alge 120

Add 0.029-0.095 gal O'B Alge 120 /1,000 gal of water in the system depending on the severity of contamination.

Intermittent or Sive Method

Initial Dose: When the system is noticeably fouled, add 0.048-0.095 gal. O'B Alge 120 /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 gat Q B Alge 120 /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 0 B Alge 120 /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 0 B Alge120/1,000 gal of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

ONCE-THROUGH INDUSTRIAL COOLING WATER SYSTEMS

For controlling bacteria, fungi, and algae in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add $0^8\,\mathrm{B}$ Alge 120° to the system inlet water or before any other contaminated area in the system. 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.

FOR CONTROL OF BACTERIA

Add 1-12 ppm 0 B A1ge 120 based on the flow rate through the system, depending on the severity of contamination.

Intermittent Method

Initial Dose: When the system is noticeably fouled, add 6-12 ppm O B Alge 120 Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

Subsequent Dose: When microbiat control is evident, add 3-12 ppm OFB Alge 120 intermittently as needed to maintain control.

Badly fouled system must be cleaned before treatment is begun.

Continuous Feed Mihod

Initial Dose: Where system is noticeably fouled, add 6-12 ppm OFFAlge-120 continuously to the system.

Subsequent Dose then microbial control is evident, pump a continuoused of 1-6 ppm O*B Alge-120 to the systemi

Badly fouled system must be cleaned before treatment is begun.

FOR CONTROL OFUNGI AND A! G LE

Add 36-118 ppm IB Alge=120 based on the flow rate through the system, depending on the severity of contaminating

Intermittent Methé

Initial Dose: Where system is noticeably fouled, add 60-118 ppm O Alge-120 to the system. The minimum treient interval should be 15 minutes. Repeat untiligited is achieved.

Subsequent Dosenen microbial control is evident, add 36-118 ppm (1 Alge=120 to the system daily or as needednaintain control. The minimum treatment intervalued be 15 minutes.

Badly fouled sys must be cleaned before treatment is begun.

Continuous Feedhad

initial Dose: While system is noticeably fouled. add 60-118 ppm (Alge-120) to the system.

Subsequent Domen microbial control is evident, pump a contine feed of 36-118 ppm Of B

Badly fouled by must be cleaned before treatment is begun.

AIR-WASHEISTEMS

Add 0.0015 - 0.05 (0 B Alge - 120 -1.000 gall of water in the sydepending upon the severity of contamination trol slime-forming bacteria and tungi in industrivisher systems.

Intermittent or ethod

Initial Dese: We system is noticeably fouled, add 0.003-0.095) B-A1ge=120 /1.000 gal of water in them. Repeat until control is achieved.

Subsequent Deen microbial control is evident, add 0.0015 - 0.0 0 B A1ge = 120 /1.000 gal of water in the every 2 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 0.003 - 0.095 gal O B Alge- 120 /1,000 gat of water in the system.

Subsequent Dose: Maintain this level by pumping a continuous lead of 0.0015 - 0.047 gal 0 *B Algem 1.20 /1.000 gal of water in the system per day.

Badly fouled systems must be cleaned before treatment is begun.

Note: For use only in industrial air-washer systems that maintain effective mist eliminating components.

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 MERCHA! TY OR FITNESS FOR A PARTICULAR PURPOSE. These or implied, extends to the use of this productions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.



NOTICE

Kg/

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

net

lb

Abden

2000 Liebon Road Cleveland, Ohio 44104

86 Derse Avenue Livingsten, N.J. 07036 OT MIN

In Accordance with PR Notice 32-2.

Based on Draft Labeling Dated 1/15/86

O'B-ALGE-1

Controls bacteria, fungi, and yeasts in paper milis, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fundi, and algae in industrial recirculating water cooling towers and in once-through fresh and sea water industrial cooking water systems: controls slime-forming bacteria and fungiin air-washer systems.

FOR INDUSTRIAL USE ONLY

Active incredients:

2.2-Dibromo-3-nitrilopropionamide 20% E.P.A. Registration No. 11541 - 12

E.P.A. Est. 11541- N.J- 02

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUSES SEVERE BURNS OF EYES . FYE CONTACT MAY CAUSE LOSS OF VISION . MAY BURN THE SKIN . MAY BE HARMFUL OR ALL MA FATAL IF SWALLOWED

Do Not Get in Eves, on Skir, or on Clothing . Chemical Worker's Goggles Must Se 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 Swaffowed, immediately induce vomiting by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. NOTE: Do not discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance, contact your regional office of the EPA

In case of an emergency endangering life or property involving this product, call collect 216-721-6800

STORAGE AND DISPOSAL

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

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

Pasticide 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 O'B Alge-120 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES IN ORDER TO AVOID DECOMPOSITION OF .0 B Alge-120 DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal, and yeast growths. in pulp, paper, and paperboard mills, add O'B Alge 120 at the rate of 0.15-0.50 (5) ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon the type of system and the severity of contamination. It should be made with a metering pump at a location that will insure uniform distribution of O'B Alge-120 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-alls, and white-water tanks

Heavily fouled systems should be boiled out, then treated with 0.15-0.35 lb O B Alge- 120 ton of paper (dry basis), as necessary for control.

Moderately fouled systems should be treated continuously with 0.35-0.50 lb 0 B Alge-120 -ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.15-0.35 to O'B Alge- 120 ... /ton of paper on a continuous or intermittent basis, as needed for

control. Dislodged slime may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Stahtly touled systems should be treated continuously with 0.15-0.35 lb O'R Alge 120 ton of paper (dry basis) until the slime is controlled then added on an intermittent basis to maintain control.

METALWORKING FLUIDS CONTAINING WATER

This product is effective in metalworking fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria. fundi, and reasts that may deteriorate metalworking fluids containing water, add 0 B Alge 120 to the fluid in the collection tank Additions should be made with a metering pump.

Initial or Siug Dose: When the system is just noticeably fouled, add 0.25 gal 0 B A1ge 120 /1.000 gal of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident. add 01-0.2 gal O'B Alge 120 /1.000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.

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 0 B Alge 120 (0.1-6.4 gai

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 O'B Alge 120 (08-64 gal O'B Alge 120 ment is begun. per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently, treat with 1-15 ppm 0 8 Alge 120 (01-12-gal O'B Alge 120 per 2400 barrels of water) confinuously or as needed to maintain control

Intermittent or Sive Method

When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm O'B Alge 120 (08-64 gal O'B Alge 120 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 O B Alge 120 free water knockouts, before or after pumps and injection well headers.

NOTE: For control of bacteria, year squeous solutions of biopolymer us operations, add 15-80 ppm OFR (1.2-6.4 gal O'B Alge 120 per water). Additions of O'B Alge 12 made with a metering pump immediate ration of the aqueous biopolymer soluloss of viscosity.

INDUSTRIAL RECIRCULATING **COOLING TOWERS**

Add O'B Alge 120 to the basis point of uniform mixing). Addition sh with a metering pump; it may be (intermittent, depending on the severi tamination when treatment is begun. tion time in the system.

Optimum performance with this prod by continuous or intermittent treatme treatment is used, the blowdown sho tinued for 24-48 hours.

FOR CONTROL OF BACTERIA Add 0.00095-0.0095 gai O'B Alge gal of water in the system, depending of contamination.

Intermittent or Sive Method

Initial Dose: When the system is noti add 0.0048-0.0095 gal O B Alge gal of water in the system. Repeat is achieved.

Subsequent Dese: When microbial coi add 0.0024-0.0095 gai O B Alge gal of water in the system every 4 days, maintain control.

Badly fouled systems must be cleans

Continuous Food Method .

Initial Dose: When the system is not add 0.0048-0 0095 gal O B Alge gal of water to the system.

Subsequent Dese: Maintain this level continuous feed of 0.00095-0.00 Alge 120 71,000 gal of water

Badly fouled systems must be cleans ment is begun.