

TECHNICAL BULLETIN



19 Motivation Dve Wangara, WA, 6065 AUSTRALIA
T +61 8 9302 4000 | FREE 1800 999 196 | F +61 8 9302 5000

BIOHIB 214

A NON - OXIDISING BIOCIDIDE

BIOHIB 214

CONTAINS <10% 2,2-Dibromo-nitrilopropionamide

DANGER

Toxic if swallowed

Causes skin irritation

May cause an allergic skin reaction

Causes serious eye damage

Fatal if inhaled

Do not breathe vapours. Wear protective gloves/ protective clothing/ eye protection/face protection.

Wear respiratory protection. IF SWALLOWED:

Rinse mouth. Immediately call a POISON CENTER

or doctor/physician. IF ON SKIN: Wash with plenty

of soap and water. IF INHALED: Remove victim

to fresh air and keep at rest in a position comfortable

for breathing. IF IN EYES: Rinse cautiously with water

for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. Immediately call a

POISON CENTER or doctor/physician. If skin

irritation or rash occurs: Get medical advice/attention.

Spills. Dam spill. Transfer into clean labelled drums for disposal. Fire: Use dry chemical, foam or carbon dioxide. water spray may be used to cool containers. .



UN 2811 TOXIC LIQUID,
ORGANIC, N.O.S. (contains
2,2-dibromo-3-nitrilopropionamide).
CLASS 6.1. HAZCHEM 2X PG III

CONTENTS ???? kg nett

IN AN EMERGENCY DIAL 000
POLICE OR FIRE BRIGADE

BATCH NO. ????????

ENVIRONEX INTERNATIONAL

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MATERIAL & FUNCTION

BIOHIB 214 (2,2-dibromo-3-nitrilopropionamide) is a fast-acting, non-oxidizing biocide and is very effective against a broad spectrum of microorganisms.

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It is completely miscible with water upon dispersion at normal use levels.
Quick kill broad-spectrum microbiocide, fungicide and algicide.
Microbiocide kill time measured in minutes vs. hours for other types of microbiocide agents.
Effective against Legionella pneumophila (Legionnaire's Disease causing bacteria).
The rate of this activity is not affected by pH, and antimicrobial control is rapidly achieved.
Because of its extremely rapid kill, proliferating microbes and their biofilm formation are either eliminated or significantly reduced.
Environmentally friendly - Rapidly breaks down to non-polluting by-products.
Inexpensive to use – as little as 69 g treats 1000 L of water.
Safer for use in galvanized, copper and steel systems than chlorine and bromine.
Can clean up fouled systems where high levels of organics, slime and biomass are present.

PROPERTIES

Inert Ingredients Polyethylene glycol and water
Colour Colourless to brown
Appearance Liquid
Odour Odourless to mild
Freezing Point Approximately 0°C
Boiling Point > 70°C for solution, but active ingredient decomposes prior to boiling
Specific Gravity 1.03-1.05 @ 25°C
Vapor Pressure (DBNPA) 18.9 mmHg @ 25°C Estimated

APPLICATIONS

COOLING WATER SYSTEMS

For use in re-circulating cooling systems and cooling towers to control slime-forming bacteria.

a) For noticeably fouled systems, use 25 – 50 ppm – approx. 0.8 – 1.7 L per 1000 L of system water until control is achieved. For on-going operation, use 2.0 – 10 ppm – 83 to 417 mL per 1000 L daily to once per week on an as-needed basis.

b) When noticeable fungi and algae are present, use 250 – 500 ppm – 8.3 to 16.7 L per 1000 L of water in the system, as needed, to achieve control. For ongoing control of fungi and algae use 150 – 500 ppm - 5.0 to 16.7 L per 1000 L daily to once per week on an as-needed basis.

Recommended dosage rates:

1. Bacterial slime - 150 – 690 g per 1000 L of water
2. Fungi and Algae – 800 to 2500 g per 1000 L of water
3. Continuous feed - 20 – 60 g per 1000 L of water

CAUTION

Avoid contact with skin and eyes and avoid breathing vapour.

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PACKAGING

15L, 200L drums

IMPORTANT NOTICE TO CUSTOMER

*Since the use of this product is beyond the control of either seller or manufacturer, their only obligation shall be to replace any quantity of product which is proven defective. They cannot assume any risk or liability in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of this product for any intended use shall be solely the responsibility of the user. **ALWAYS TEST FIRST.***