

# BE-3S

ANTIMICROBIAL SOLID FORM: Controls  
bacteria in oil recovery operations.

## INDUSTRIAL



DANGER POISON



DANGER CORROSIVE

**READ THE LABEL BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

GUARANTEE:

2,2-Dibromo-3-nitrilopropionamide....97.6%

REGISTRATION NUMBER: 25895.04  
PEST CONTROL PRODUCTS ACT

NET CONTENTS 22.7 Kg

Clearwater International LLC  
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## **PRECAUTIONS**

**DANGER \* 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. Avoid breathing dust. Use with adequate ventilation.

## **FIRST AID**

**If in eyes**, hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

**If on skin or clothing**, take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**If swallowed**, call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically

**DO NOT SHIP OR STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING**

## **ENVIRONMENTAL HAZARDS**

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

## **DIRECTIONS FOR USE**

NOTE: Add BE-3S separately to the system. Do not mix them with other additives, in order to avoid decomposition of BE-3S due to the high PH of many additive formulations.

## **OIL FIELD APPLICATION**

For reduction of bacterial contamination and degradation in oil recovery operations, add BE-3S to the system at a rate of 0.2 to 16 ppm.

## **FRACTURING FLUIDS**

BE-3S reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulation. BE-3S should be added to the water storage tanks before gelling and circulated to ensure mixing. BE-3S can be pre dissolved in warm water and added at the well head for "on the fly" fracturing jobs. Use all pre-dissolved liquid within 24 hours. Frequency and Dose: BE-3S should be added at a rate of 5 to 16 ppm (5-16 g/1000 L) depending on water quality. Retreat after 48 hours if the frac job is delayed.

## **ENHANCED OIL RECOVERY (EOR) FLUIDS**

BE-3S reduces bacteria contamination and Degradation of EOR polymers and gels. BE-3S should be added to injection water before polymer addition. Frequency and Dose: BE-3S should be

added at a rate of 0.2 to 16 ppm (0.2-16 g/1000 L). Dry BE-3S should be added at a point to ensure proper dissolution and mixing.

#### **WATERFLOOD**

BE-3S can be used to control slime and Corrosion causing bacteria in waters used for secondary oil and gas recovery. BE-3S can be added as a dry product or pre-dissolved in warm water. Use all pre-dissolved liquid within 24 hours. If the system is heavily fouled, slug treat at the higher rate to remove biofilm. For maintenance, batch treat two to three times per week. Frequency and Dose: BE-3S should be added at a rate of 0.2 to 16 ppm (0.2 g/1000 L). Dry BE-3S should be added at a point to ensure proper dissolution and mixing.

**STORAGE:** Do not contaminate water, food, or feed by storage or disposal. To maintain product quality, store in a cool, dark place at temperatures below 35° C (95° F). Keep container tightly closed when not in use.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offense under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

#### **DISPOSAL:**

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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