KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

CORROSIVE • Causes irreversible eye damage • May be fatal if inhaled or swallowed • Causes skin irritation • Harmful if absorbed through the skin. • Do Not Get In Eyes, on Skin, or on Clothing • Do not breathe dust. • When loading or handling wear protective eyewear (goggles or face shield), long-sleeved shirt and long pants, socks, shoes, chemically resistant gloves and a NIOSH approved respirator • Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals • Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet • Remove and wash contaminated clothing separately from other laundry before reuse.

Personal protective equipment

Applicators and other handlers must wear:
- Coveralls, over long-sleeved shirt and long pants
- socks and chemical resistant footwear
- Goggles or face shields
- Chemical-resistant gloves (such as barrier laminate, butyl nitrile/neoprene rubber, PVC or viton)

Engineering Controls

When handlers use closed metering systems, the handler requirements may be reduced or modified to long-sleeve shirt, long pants, shoes, socks, gloves and safety glasses with side shields.

User Safety Instructions

Follow manufacturers' instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Procedures

Users must wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing.As soon as possible, wash thoroughly and change into clean clothing.

Application Restrictions

Do not apply this product directly in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Environmental Hazards

This pesticide is toxic to fish and aquatic organisms. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. 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.

Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal.
Pesticide Storage To maintain product quality, store at temperatures below 35°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:
Non refillable container. Do not reuse or refill container. Completely empty into application equipment by shaking and tapping sides and bottom of container to loosen clinging particles. Then offer empty container for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

EPS.01•9/3/2013•RA5823

AQUCAR™ DB 100 Water Treatment Microbiocide

FOR INDUSTRIAL USE

Active Ingredient(s):	
2,2-Dibromo-3-nitrilopropionamide	**97.6%**
Inert Ingredient(s):	**2.4%**
Total	**100.0%**

FIRST AID

IF IN EYES	• Hold eye open and rinse slowly and gently with water for 30 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call poison control center 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 center or doctor for treatment advice.
IF SWALLOWED	• Call poison control center 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 center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED	• Move person to fresh air. • If person is not breathing, call an emergency responder or an ambulance, then give artificial respiration, preferably mouth-to-mouth. • Call a poison control center or doctor for further treatment advice.

Have product container or label with you when calling a poison control center or doctor or going for treatment.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400.

NOTE TO PHYSICIAN

Maintain adequate ventilation and oxygenation of the patient. Material may cause severe pulmonary edema. For persons receiving significant exposure to this material, consider chest x-ray and keep under observation for 48 – 72 hr. for delayed onset of pulmonary edema. Humidified oxygen, intermittent positive pressure breathing, assisted respiration/CPAP and steroid therapy should be considered in treatment. Physical exertion may potentiate exposure effects during the first 24 -72 hours. May cause respiratory sensitization or asthma-like symptoms. Bronchodilators, expectorants and antitussives may be of help. Treat bronchospasm with inhaled beta2 agonist and oral or parenteral corticosteroids. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD 2014-2016 LIC. NO. 9197.310

E.P.A. Registration No. 464-389
E.P.A. Est. 83434-IL-001

Produced For – *When produced by a contract manufacturer*

The Dow Chemical Company
Midland, Michigan 48674
(989) 636-4400

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NET WT: 55.1 lb / 25 kg
LOT:

DIRECTIONS FOR USE

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

NOTE: PRODUCT MUST BE ADDED SEPARATELY TO THE SYSTEM. DO NOT MIX WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF THE ACTIVE INGREDIENT 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 a solution of product at the rate of 0.03-0.10 lb. product/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 must be made with a metering pump or chemical feeder device at a location that will ensure uniform distribution of product 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 must be boiled out, then treated with 0.03-0.07 lb. product/ton of paper (dry basis), as necessary for control.
MODERATELY FOULED SYSTEMS must be treated continuously with 0.07-0.10 lb. product/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.03-0.07 lb. product/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.
SLIGHTLY FOULED SYSTEMS must be treated continuously with 0.03-0.07 lb. product/ton of paper (dry basis) until slime is controlled, then added on an intermittent basis to maintain control.

INDUSTRIAL OR COMMERICAL COOLING WATER SYSTEMS
Not intended for use in once-through cooling systems.
For control of microbial growth in industrial or commercial cooling water systems use either continuous or slug dosing.
Note: A solution of product may be made on site for dosing the system.
DO NOT MIX the product solution with other additives, in order to avoid decomposition of the active ingredient due to the high ph of many additive formulations.
CONTINUOUS FEED
Add product to metering device for continuous feed. Add 1-24 ppm per day of product to the water in the system depending on the severity of contamination. Badly fouled systems must be cleaned before treatment.
SLUG DOSING
Add product to basin of cooling system or at any other point of uniform mixing. Add 5-24 ppm product to the water in the system depending upon severity of contamination. Repeat treatment every four days or as needed to maintain control. Do not exceed more than 24 ppm product in system water per day. Badly fouled systems must be cleaned before treatment.

AIR-WASHER SYSTEMS
NOTE: For use only in industrial air-washer systems that maintain effective mist eliminating components.
For control of microbial growth in air washer systems use either continuous or slug dosing.
Note: A solution of product may be made on site for dosing the system. DO NOT MIX the product solution with other additives, in order to avoid decomposition of the active ingredient due to the high pH of many additive formulations.
CONTINUOUS FEED
Add product using metering device for continuous feed. Add 4-24 ppm per day of product to the water in the system depending on the severity of contamination. Badly fouled systems must be cleaned before treatment.
SLUG DOSING
Add product to basin of system or at any other point of uniform mixing. Add 1-24 ppm product to the water in the system depending upon severity of contamination. Repeat treatment every four days or as needed to maintain control. Do not exceed more than 24 ppm product in system water per day. Badly fouled systems must be cleaned before treatment.

MEMBRANE SYSTEMS FOR INDUSTRIAL WATER
Not registered for this use in the State of California
Product may be used for control of microbial growth and to reduce biofouling in various membrane system types (reverse osmosis, ultrafiltration, nanofiltration, and microfiltration) used for industrial water processing.
Product should not be added in the presence of sodium bisulfite or other reducing agents which are being added to the feed water of the membrane system. In some situations the addition of any reducing agents must be suspended at least 15 minutes prior to the addition of product in order to avoid neutralization and deactivation of the active ingredient.
Online cleaning
The product may be added to the RO feed water at a rate of 0.2 to 20 ppm based on the feed water flow rate. Apply product to the service cycle feed water on a regular basis using an addition cycle of at least 30 minutes. The frequency of addition may be daily or as necessary in order to maintain RO productivity performance. For highly fouled systems, a 20 ppm dosage should be applied each day for several hours until the system performance has recovered.
Offline cleaning
Product may be added to the feed tank used for an off-line chemical cleaning procedure. Addition should be at a rate of 1 to 40 ppm based on the total amount of solution in the feed tank. Following the complete transfer of feed solution, re - circulate or soak for 1 to 3 hours to ensure sufficient contact for all RO membrane modules with the DBNPA solution. Frequency of addition should be every 5 days or as needed.
NOTE: Reverse Osmosis (RO) concentrate streams must not be discharged to lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System Permit (NPDES). Discharge of RO concentrate steams to sewer systems may require approval of the local sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PUBLICLY-OWNED TREATMENT WORKS
TO CONTROL COLIFORM AND OTHER BACTERIA
Add product at a concentration of 0.2 to 2 ppm by weight of water being treated, depending on the severity of contamination in the system. Addition should be CONTINUOUS and must be made at a point in the system where mixing will be rapid and thorough. Add product to the system in a location where contact time will be 30 minutes or greater before reaching the outfall.
TO USE AS A CO-TREATMENT WITH CHLORINE
Add 0.08-0.3 ppm product by weight of water treated. Chlorination must result in a minimum detectable residual (i.e., greater than zero but less than the NPDES permit level). Addition must be CONTINUOUS and made at a point just after initial chlorine mixing. Rapid mixing is necessary for maximum effectiveness. Product must be added at a location where a contact time of 10 minutes or longer will be provided before reaching the outfall.

INDUSTRIAL WASTEWATER SYSTEMS
Not registered for this use in the State of California
Wastewater Systems, Wastewater Sludge and Wastewater Holding Tanks
The product may be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 25-400 ppm by weight.

CONSUMER, HOUSEHOLD & INSTITUTIONAL PROCESSES & PRODUCTS
The product is not intended for use in personal care products.
PROCESS WATER CLEAN UP
To reduce microbial contamination in process water used to make consumer, household or institutional products, add product directly to the water at a concentration of 25-200 ppm by weight.
RAW MATERIAL CLEAN UP
To reduce microbial contamination in raw materials used to make consumer, household or institutional products, add the product directly to the raw material at a concentration of 25 -200 ppm by weight.
DIRECT PRODUCT ADDITION
To reduce microbial contamination in formulated products such as hard surface cleaners, laundry detergent, fabric softeners and other water based formulations, add 25 -50 ppm by product weight directly to the final product prior to packaging. Thorough mixing is recommended.

CONSUMER, HOUSEHOLD & INSTITUTIONAL RECYCLE WATER, RECYCLE PRODUCT CLEAN UP & RECYCLE WASTEWATER
The product may be added to recycle process water, a recycle product stream or added to a recycle waste water stream to reduce microbial contamination. Add at a convenient point of uniform mixing. Add 25 to 200 ppm by weight.

INDUSTRIAL PROCESSES & PRODUCTS
This includes raw materials and/or products such as aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions and surfactants.
PROCESS WATER CLEAN UP
To reduce microbial contamination in process water used to make industrial products, add product directly to the water at a concentration of 25-400 ppm by weight.
RAW MATERIAL CLEAN UP
To reduce microbial contamination in raw materials used to make industrial products, add the product directly to the raw material at a concentration of 25 -400 ppm by weight.
DIRECT PRODUCT ADDITION
To clean up microbial contamination in a final formulated industrial product, add 25 -100 ppm by weight product directly to the final industrial product prior to packaging.

INDUSTRIAL RECYCLE WATER, RECYCLE PRODUCT CLEAN UP & RECYCLE WASTEWATER
Product may be added to recycle process water, a recycle product stream or added to a recycle waste water stream to reduce microbial contamination. Add at a convenient point of uniform mixing. Add 25 to 400 ppm by weight.

EQUIPMENT CLEANING
Product can be used to control microorganisms present in solution or growing on the surfaces of process equipment such as reaction vessels, storage tanks and containers, piping and hoses. For standard cleaning of equipment, add 10 to 50 ppm by weight product in an aqueous solution, to process piping or equipment. Heavily fouled solutions or equipment may be treated with up to 400 ppm of product. After treating process equipment with the product, allow product solution to be in contact with surfaces for up to four hours. If sodium hypochlorite is being used for cleaning purposes at 50 to 250 ppm available chlorine, the product can be used as part of a dual treatment program at 10 to 20 ppm by weight, in combination with sodium hypochlorite. Treat process equipment with sodium hypochlorite first by following label directions. Follow this treatment with the product. Do not combine concentrated sodium hypochlorite solution with the product.

OIL FIELD APPLICATIONS
For reduction of bacterial contamination and degradation in oil recovery operations, add product to the system at a rate of 6 to 54 ppm depending on the severity of contamination.

HYDROTESTING
Not registered for this use in the State of California
For control of bacteria, water used to hydrotest pipelines or vessels should contain 20 to 200 ppm of product depending on water quality and length of time the equipment will remain idle.

FRACTURING FLUIDS
The product reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. The product must be added to the water storage tanks before gelling and circulated to ensure mixing. The product 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: The product must be added at a rate of 18 to 54 ppm active (0.15-0.45 lbs. product/1,000 gallons water) depending on water quality. Retreat after 48 hours if the frac job is delayed.

ENHANCED OIL RECOVERY (EOR) FLUIDS
The product reduces bacterial contamination and degradation of EOR polymers and gels. The product must be added to injection water before polymer addition.
Frequency and Dose: The product must be added at a rate of 6 to 54 ppm. Dry product must be added at a point to ensure proper dissolution and mixing.

WATER FLOOD
The product can be used to control slime and corrosion causing bacteria in waters used for secondary oil and gas recovery. The product 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: The product must be added at a rate of 6 to 54 ppm. Dry product must be added at a point to ensure proper dissolution and mixing.

Notice: Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.