AQUCAR™ BP 100 Water Treatment Microbiocide

Active Ingredient(s)
2-Bromo-2-nitropropane-1,3-diol 99.0%
Inert Ingredient(s): 1.0%
Total 100%

E.P.A. Registration No. 464-675
E.P.A. Est. 83434-IL-001

KEEP OUT OF REACH OF CHILDREN
DANGER
PRECAUTIONARY STATEMENTS
Hazards To Humans And Domestic Animals
CORROSIVE • MAY CAUSE IRREVERSIBLE EYE DAMAGE • MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN. • MAY CAUSE SKIN IRRITATION • HARMFUL IF INHALED • PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS

Do not get in eyes, on skin, or on clothing. Do not breathe dust. Wear goggles and chemical resistant rubber gloves. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse.

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. Do not contaminate water by cleaning of equipment, or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS
Avoid contact with metal equipment such as scoops, mills or sieves

FIRST AID

IF IN EYES
• Wash immediately and continuously with flowing water for at least 30 minutes.
• Remove contact lenses if present, after the first 5 minutes and continue washing.
• Obtain prompt medical consultation, preferably from an ophthalmologist.

IF SWALLOWED
• Call a 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 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.

IF INHALED
• Move person to fresh air.
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
• Call a poison control center or doctor for further treatment.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

Note To Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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

Pesticide Storage: Keep away from heat.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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: Nonrefillable Container: Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

LIMITED WARRANTY AND DISCLAIMER
Seller warrants that the product conforms to its chemical description as contained on this label and is reasonably fit for the purposes stated on this label when used in accordance with directions under normal conditions of use. THE WARRANTIES MADE IN THIS PARAGRAPH ARE SELLER'S SOLE WARRANTIES WITH RESPECT TO THE PRODUCT AND ARE MADE EXPRESSLY IN LIEU OF AND EXCLUDE ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES.

See Directions For Use Label Adjacent To The AQUCAR BP 100 Water Treatment Microbiocide Drum Label.

Net Wt: 33.2 lb / 15 kg
Lot:
AQUACAR™ BP 100 Water Treatment Microbiocide

IN CASE OF AN EMERGENCY endangering life or property involving this product, call 911 or the nearest poison control center or label with you when calling a Poison Control Center or doctor or going for treatment.

DIRECTIONS FOR USE

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

GENERAL USE DIRECTIONS

To control the growth of slime-forming, spoilage, odor-causing and corrosion inducing bacteria and algae in industrial applications.

Not For Control Of Algae In The State Of California.

AQUACAR BP 100 Water Treatment Microbiocide can be dosed directly or by preparing a stock solution immediately prior to application either by open pouring (not cooling water treatments) or by metered pump. For product preservation AQUACAR BP 100 Water Treatment Microbiocide is best added after any heating stage or when the product has cooled below 40°C. This product may be used in thermal and off-ice oil drilling muds and packer fluids. Do not apply by open pouring of liquid to cooling water systems, a metering pump delivery system is required for this use and application method.

Applications and other handlers must wear:
Coversalls, over long-sleeved shirt and long pants
Goggles and nose mask
Socks plus shoes.
Chemical resistant gloves.
Dust/mist filtering respirator (MSHA/NIOSH) approval number prefix (TG-21C), or a NIOSH approved respirator for the particular gases, fumes, or mists.

Follow manufacturer’s instruction for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product’s concentrate. Do not reuse them.

INDUSTRIAL/RECIRCULATING WATER COOLING TOWERS AND EVAPORATIVE CONDENSERS

To control slime-forming bacteria and algae in industrial recirculating cooling towers and evaporative condensers.

AQUACAR BP 100 Water Treatment Microbiocide should be added at a point where there is adequate distribution in the tank to ensure adequate contact time with the water (jet air blenders, spray bars or air strippers).

Frequency And Dosage: AQUACAR BP 100 Water Treatment Microbiocide may be slug-dosed once or twice as a normal routine. Where contamination is heavy, frequent dosing may be required. AQUACAR BP 100 Water Treatment Microbiocide should be shock-dosed at between 0.1-0.4 lb (0.1-0.2 kg) per 1,000 gallons depending on the condition of the tower, the quality of the make-up water, and the amount of dilution.

PRODUCED WATER

To inhibit the growth of slime-forming or corrosion inducing sulphate reducing bacteria in formation water produced by wells together with oil. AQUACAR BP 100 Water Treatment Microbiocide can be used as the sole or pre-dosed in a quantity of warm water or alcohol, then injected into the water-containing oil or gas stream at any convenient point. It should be injected at slug doses, not as a continuous feed. Frequency And Dosage: Depending on severity and quality of contamination, AQUACAR BP 100 Water Treatment Microbiocide should be used as per manufacturer’s per 100-360 lb (0.18-0.63 kg) per 1,000 gallons depending on the quality of the make-up water.

FRACTURING FLUIDS

To control slime-forming bacteria in fracturing fluids and other make-up water that contains any of the下列 items etc.: AQUACAR BP 100 Water Treatment Microbiocide should be added at a net 0.2-0.4 lb (0.18-0.36 kg) per 1,000 gallons depending on the quality of the make-up water.

PAPER MILL PROCESS WATER

To control slime-forming bacteria in paper and paperboard process systems, AQUACAR BP 100 Water Treatment Microbiocide may be dosed as the sol in a convenient point early in the process system. Suitable dosing points are the machine chest, condensate box, or booster tank system.

Frequency And Dosage: AQUACAR BP 100 Water Treatment Microbiocide should be shock-dosed once, twice, or three times daily according to the nature of the problem and the requirements of the problem. Dosing at 0.2-0.35 lb (0.18-0.31 kg) per ton of paper produced or paperboard manufactured on the complexity of the system, the quality of the raw paper and the degree of contamination.

PAPER MILLS-BULK Pulp

To preserve bulk quantities of pulp in paper and paperboard manufacturing systems or to prevent foul odors and general biodeterioration of stock when it is stored in bulk for an indefinite period, AQUACAR BP 100 Water Treatment Microbiocide should be added at a sol or pre-dosed in a quantity of warm water, then dosed directly into the hydraulic, paper machine, chest or stock box.

Frequency And Dosage: In general, a single slug dose should be provided for up to 3 days or longer depending upon the level of contamination in the stock. In situations where contamination is high, repeated dosing every 1-3 days may be required. AQUACAR BP 100 Water Treatment Microbiocide should be added at between 0.09-0.45 lb (0.04-0.20 kg) per 1,000 gallons depending on the type and degree of contamination.

PIPELINE MAINTENANCE

To control growth of anaerobic and aerobic bacteria, particularly sulphate-reducing bacteria, growth in oil and gas related production piping and transportation systems, pre-dosage AQUACAR BP 100 Water Treatment Microbiocide in warm water or in a carrier solvent to give up to 25% concentrate. This concentrate can be injected directly into the pipeline or may be added to the hydrotreater prior to injection. Using carrier solvent, AQUACAR BP 100 Water Treatment Microbiocide will produce long-term water phase concentrations by a diffusion process.

Frequency And Dosage: Carrier additions will vary with the degree of contamination and volume of fluids through the pipeline. Slug treatments are recommended and can vary from daily to monthly to control growth. AQUACAR BP 100 Water Treatment Microbiocide should be dosed at a rate which will achieve concentrations of 25-50 ppm in the aqueous phase. When using a carrier solvent, higher concentrations may be used to allow diffusion into the aqueous phase. Dose will depend on the volume of crude oil and the expected water fraction.

WATER BOTTOMS IN OIL OR TRANSPORTATION TANKS

To control excessive pressure of bacteria contamination in water bottoms in crude and refined hydrocarbon storage systems.

Aqueous and below ground storage tanks and large marine systems are all suitable for treatment. AQUACAR BP 100 Water Treatment Microbiocide may be pre-dosed in warm water to give up to 25% concentrate. This concentrate can be injected directly into the water bottom or may be spread over the surface of the hydrocarbon phase and allowed to percolate through. Using a carrier solvent for addition of AQUACAR BP 100 Water Treatment Microbiocide into the hydrocarbon phase will provide long-term water concentrations by a diffusion process.

Frequency And Dosage: Direct addition to the water phases should be carried out every 30-46 days. Using a carrier solvent for addition to the hydrocarbon phase will provide long-term water concentrations depending on frequency of hydration movement; drainage of water bottoms, and other factors. AQUACAR BP 100 Water Treatment Microbiocide should be dosed at a rate which will achieve concentrations of 50-100 ppm in the aqueous phase. When using a carrier solvent, higher concentrations may be used to allow diffusion into the aqueous phase.

INDUSTRIAL AND/OR COMMERCIAL AIR WASHERS

To control excessive growth in air scrubbing units and to reduce build up of slime deposits. Dosing should be carried out into the air pump of the scrubbing unit or a make-up line. Dosing is preferred. It is not necessary to dose AQUACAR BP 100 Water Treatment Microbiocide concentrate prior to dosing. AQUACAR BP 100 Water Treatment Microbiocide can also be used as an intermittent flash treatment during regular maintenance/flushing of the scrubbing unit. Frequency And Dosage: Shock dosing should be carried out on a regular basis. Highly fouled systems may require weekly treatment. Light to moderate contamination will require once weekly to once monthly dosing. Dosing is preferred to be carried out at an initial concentration of 0.5-1.0 lb (0.22-0.45 kg) per 1000 gallons. For intermittent treatment of air scrubbing systems during routine maintenance AQUACAR BP 100 Water Treatment Microbiocide should be used at 1000 lb (0.48-1.0 ton) per 100,000 ft² air per day at a contact time of at least one hour.

INDUSTRIAL AND/OR COMMERCIAL AIR CONDITIONING AND HUMIDIFYING SYSTEMS

For the effective control of bacterial growth in air conditioning and humidifying systems and to remove built up slime deposits. Dosing should be carried out into the conditioning water pump on a routine basis. Shock dosing is preferred. It is not necessary to dose AQUACAR BP 100 Water Treatment Microbiocide concentrate prior to dosing. AQUACAR BP 100 Water Treatment Microbiocide can also be used as an intermittent flash treatment during regular maintenance/flushing of the air conditioning units.

Frequency And Dosage: Shock dosing should be carried out on a once weekly to once monthly basis. Dosing should be carried out to give an initial concentration of 30 ppm (0.032-0.050 gal) per 100 gallons. For intermittent treatment of air conditioning systems during routine maintenance AQUACAR BP 100 Water Treatment Microbiocide should be used at 1000 lb (0.48-1.0 ton) per 100,000 ft² air per day at a contact time of at least one hour.