Biocat® K-95
INDUSTRIAL ANTIMICROBIAL

DIRECTIONS FOR USE – continued

Continuous Treatment: Biocat® K-95 can be dosed continuously at a level of 14-67 ppm.

Oil and Gas Production and Transmission Pipelines and Systems

Apply a 1:100 dilution of Biocat® K-95 as a part in the pipeline where microbiological growth will occur. The application should be continued to ensure maximum distribution of Biocat® K-95 through the entire internal surface of the pipeline by adding an amount of biocide which eventually will come out the other end of the pipeline. Criteria for success of the treatment in bacterial and/or corrosion control.


Continuous Treatment: Biocat® K-95 should be fed continuously at a level of 14-130 ppm.

Drilling Mud, Packer Fluses, Completion and Workover Fluids

Biocat® K-95 should be added to these fluids at a point where uniform mixing will occur. Add 9.9-30 ppm (Biocat® K-95) to a freshly prepared fluid depending on severity of contamination.

Geo Storage Well and Systems (Not for Use in California)

Individual injection wells should be treated with Biocat® K-95 at the same application rates, and in the same manner as described under Water Floods. Injections should be repeated as needed to maintain control. Industrial slips should be treated with a sufficient quantity of Biocat® K-95 to produce a concentration of 5.33-15.3 ppm (Biocat® K-95) for 15-20 ppm THP4 when dosed with the water present in the drip. Injections should be repeated as needed to maintain control. (See additional directions on handling).

Well Remediation Operations (Not for Use in California)

In the production or injection wells may be biocided with Biocat® K-95 to control bacteria and simultaneously dissolve inorganic solid deposits. The Biocat® K-95 will be pumped into the well as a solution in water containing from 3.5 to 40% Biocat® K-95 (50% V0 THP4) depending on water quality and length of time the equipment will remain idle.

Pipeline Piping and Scouring Operation

Add Biocat® K-95 to a slug of water immediately following the scavenging solution used in the pipeline to prevent ingrowth of bacteria and algae. The Biocat® K-95 should be added to a solution in water containing from 3.5 to 40% Biocat® K-95 (50% V0 THP4) depending on water quality and length of time the equipment will remain idle.

Hydrotesting

Water used to flush out pipelines or vessels should contain 66-66.5 ppm Biocat® K-95 (50% V0 THP4) depending on water quality and length of time the equipment will remain idle.

SOLUTION/EMULSIONS (Not for Use in California)

Do not use Biocat® K-95 in the manufacture of paper and board products that may come in contact with food. For the preservation of solutions, emulsions, adhesives and other aqueous liquid products, the addition of 0.025% to 0.25% of Biocat® K-95 is effective. Add a point in the processing system where there will be sufficient time and agitation for good mixing and dispersion. The exact amount of Biocat® K-95 to be added for the preservation of gums will depend on the component as well as local storage time and requirements.

INDUSTRIAL FRESH WATER SYSTEMS (Not for Use in California)

Do not use in the manufacture of paper and board products that may come in contact with food. Biocat® K-95 is effective in controlling algae in households water systems, plant make-up water systems, in cooling and processing systems, in fresh water systems containing paper and paper mills, textile mills, and other manufacturing plants. In pulp and paper mills, treatment of the fresh water with Biocat® K-95 can make an impractical consideration to achieve control. The use of Biocat® K-95 as described will result in the development of slime in fresh water and other equipment, and on the pulp and paper mill machine contacts by fresh water. Water used in the manufacture of paper and paperboard products may contact food. The concentration of THP4 in the dairy cannot exceed 64 ppm.

For the control of algae in industrial fresh water systems, Biocat® K-95 should be added to provide a concentration of 0.5-1.5 ppm (0.1-0.3 ppm Biocat® K-95) based on the amount of water processed or reserved or leaving the pond and reserve and entering the immediate processing operations. While treatment can be made continuously, regular slug dosing treatment will provide adequate control.

INDUSTRIAL WASTEWATER SYSTEMS (Regenerative Oxidizers, Dairy Wastewater Systems, Hydrostatic Stabilizers and Retorts, Brewery and Other Pasteurizers, and Womers) (Not for Use in California)

Add Biocat® K-95 at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, supernat, or other reservoir or collection area from which the treated water will be circulated uniformly throughout the system.

SERVICE WATER AND AUXILIARY SYSTEMS

Biocat® K-95 should be added to service water systems at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as a basin area, supernat, or other reservoir or collection area from which the treated water will be circulated uniformly throughout the system.

ACTIVE INGREDIENT:
Techno (Hydroxamic) phosphonate sulfone...75 %
OTHER INGREDIENTS: ...
TOTAL: 100 %

KEEP OUT OF REACH OF CHILDREN

DANGER: Caustic. Causes eye damage and skin irritation. Do not allow it to come in contact with eyes or on clothing. Wear long-sleeved shirt and pants or coveralls, goggles or face shield and chemical resistant gloves when handling. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Avoid breathing vapors. Harmful if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Do not discharge effluent containing this product into lakes, ponds, streams, 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.

STORAGE: Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of a spill, the area should be well-ventilated. Improper disposal of excess pesticide, spray mixture, or rinsates 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 HANDLING AND DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling or reconditioning if appropriate. Triple rinse or pressure rinse container for (seconds) equivalent promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment, or a mix tank or continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

CONTAINER HANDLING AND DISPOSAL: Refillable container. Refill this container with THPS only. Do not reuse this container for any other purpose. Pressure rinse the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. Pressure rinsing nozzle should be emptied. The remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Take pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For cooling water systems of equal or greater to 4000 gallons, do not apply by pouring equal of liquid to cooling water systems, a metering pump is required for this use and application method.

OIL FIELD AND PETROCHEMICAL OPERATIONS

Biocat® K-95 is effective in controlling sulfate reducing bacteria, general aerobic bacteria, including microorganisms that contribute to biofilm formation in oil field recovery, processing and applications and supporting systems, such as injection water, water holding tanks, disposal well water, recirculating water handling systems, and pipelines. Biocat® K-95 has been shown to disperse iron sulfide and sulfide iron when used under these conditions, leading to improved filter life and well injectivity, and reduction of hydrogen sulfide. Biocat® K-95 is also effective for use in controlling microbial growth in fluid used for sanding and stimulation of oil wells.

Water Floods

Biocat® K-95 should be added to a water flood system at a point where uniform mixing will occur.

Initial Treatment: For a noticeably fouled system, add 93,350 ppm Biocat® K-95. When added to a flowing system, slug dose for 2-6 hours based on flow rates. Repeat as necessary until control is achieved.

Subsequent Treatment: Once control has been achieved, add 14.8-98 ppm Biocat® K-95 weekly or as needed to maintain control. When added to a flowing system, slug dose for 2-6 hours based on flow rates.

Net Contents: 55 gal, 265 gal or As Marked on Container

See Side Panels for Additional Precautionary Statements

Precautionary Statements

HAZARD TO HUMANS AND DOMESTIC ANIMALS

DANGER: Caustic. Causes eye damage and skin irritation. Do not allow it to come in contact with eyes or on clothing. Wear long-sleeved shirt and pants or coveralls, goggles or face shield and chemical resistant gloves when handling. Prolonged or frequent skin contact may cause allergic reactions in some individuals. Harmful if inhaled. Avoid breathing vapors. Harmful if swallowed. Avoid contamination of food. Remove contaminated clothing and wash before reuse.

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