ACTICIDE® DBU 20
DBNPA

A MICROBIOCIAL BACTERICIDE, FUNGICIDE, ALGACIDE AND SLIMICIDE, USED IN TREATING RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS, PULP AND PAPER MILL SYSTEMS, METALWORKING FLUIDS CONTAINING WATER, ENHANCED OIL RECOVERY SYSTEMS, AIR-WASHER SYSTEMS, INDUSTRIAL PRESERVATION APPLICATIONS, OILFIELD AND PETROCHEMICAL SYSTEMS, AND EQUIPMENT CLEANING.

ACTIVE INGREDIENT: 2,2-Dibromo-3-nitropropionamide 20% OTHER INGREDIENTS: PEG-3, DBNPA, 1,2PROPANediol 80%

TOTAL: 100%

KEEP OUT OF REACH OF CHILDREN

DANGER

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 center or doctor for treatment advice.

If swallowed:
Call a poison control center, or doctor immediately for treatment advice.
Have person sit a glass of water if able to swallow.
Do not induce vomiting unless told to do so by the 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 911 or an ambulance, then give artificial respiration preferably by mouth-to-mouth, if possible.

If on skin or clothing:
Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15-20 minutes.

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

YOU MAY ALSO CONTACT 800-424-9300 FOR EMERGENCY MEDICAL TREATMENT INFORMATION

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

See side panels for additional precautionary statements and first aid.

Transportation/Storage
Emergency (Spill) Tel: 800-424-9300
CHEMTREC

DISTRIBUTED BY:
THOR GmbH
Speyer, Germany

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. EYE CONTACT MAY CAUSE LOSS OF VISION. MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. CAUSES SKIN BURNS. PROLONGED OR FREQUENTLY REPEATED SKIN CONTACT MAY CAUSE ALLERGIC REACTIONS IN SOME INDIVIDUALS.

Do not get in eyes, on skin, or on clothing. In case of contact immediately rinse skin with plenty of water. Get medical attention if irritation persists. Use with adequate ventilation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTION EQUIPMENT (PPE):
Applicants and other handlers must wear:
-Coveralls worn over long sleeved shirt and long pants.
-Chemical resistant footwear plus socks.
-Goggles with side shields or face shield.
-Chemical-resistant gloves (such as barrier laminates, butyl rubber, neoprene rubber, nitrile rubber, polyvinyl chloride (PVC and Viton).
-For mixing/loading: Wear a chemical resistant apron
-For cleaning equipment: Wear a chemical resistant apron

Follow manufacturer’s 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 Recommendations

Users should wash hands before drinking, chewing gum, using tobacco, or using the toilet.
Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should remove personal protective equipment immediately after handling this product.
Wash outside of gloves before removing.
Wash thoroughly as soon as possible.

General Precautions and Restrictions

Do not apply this product in a way that will contact workers or other persons.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of waste. 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.

CHEMICAL AND PHYSICAL HAZARDS

Reaction with strong reducing agents may be explosive. Avoid mixing.

STORAGE AND DISPOSAL

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

STORAGE

Store in a dark, cool, dry, well-ventilated area, not above 104°F (40°C), in well-closed original containers, away from energy sources, combustible organic materials, oxidizers and moisture.

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 HANDLING

For rigid containers less than or equal to 5 gallons: Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning if appropriate, or puncture and 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.

For rigid containers greater than 5 gal: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application or a mix tank. Fill the container ¼ 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning if appropriate, or puncture and 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.

SPILLS

When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious rubber gloves and boots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing of as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well ventilated area; cover drum with 10% sodium bicarbonate solution and large volumes of water if necessary.

KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. TO MAINTAIN PRODUCT QUALITY, STORE IN THE DARK AT TEMPERATURES BELOW 104°F (40°C). DISPOSE OF CONTAMINATED OR DECAYING MATERIAL BY BURNING OR INCINERATION. DO NOT MIX WITH OTHER PRODUCTS. DO NOT STORE WITH FOOD, FEEDS, DRUGS, OR CLOTHING. DO NOT SMOKE, DRINK, OR EAT WHILE HANDLING. WASH THOROUGHLY AFTER HANDLING.

WARRANTY: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with label directions under normal conditions of use, but to the extent consistent with applicable law, neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller, and Buyer assumes the risk of any such use.

LOT#: P

NET CONTENTS:
DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

RECIRCULATING COOLING WATER IN INDUSTRIAL COOLING SYSTEMS

Add this product separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. For the control of slime-forming bacteria, fungi, and yeast growth in pulp, paper and paperboard mills add this product at levels of 0.15-0.50 lb./ton (dry) of pulp or paper produced. Additions must be continuous or intermittent, depending upon the type of contamination. Additions are made via a metering pump at a point in the system that will ensure uniform distribution of this 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 first be boiled out, then treated with 0.15-0.35 lb. of this product / ton (dry) of paper or pulp as necessary for control. Moderately fouled systems must be treated continuously with 0.35-0.50 lb. of this product / ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to 0.15-0.35 lb. of this product / ton (dry) of paper on a continuous or intermittent basis as needed for control. Dislodged slime may cause breaks in the system and equipment may be adversely affected. Slightly fouled systems must be treated continuously with 0.15-0.35 lb. of this product / ton (dry) of paper or pulp, until the slime is controlled, then added on an intermittent basis to maintain control. Additions of this product must be made with a metering pump immediately after preparation of the aqueous paper and a solution, via a metering pump, added on an intermittent basis as needed for control of slime-forming bacteria, fungi and yeasts in industrial air washing systems.

PULP AND PAPER MILL SYSTEMS

Add this product separately to the system. Do not mix it with other additives, so as to avoid decomposition of this product due to the high pH of many additive formulations. For the control of slime-forming bacteria, fungi, and yeast growth in pulp, paper and paperboard mills add this product at levels of 0.15-0.50 lb./ton (dry) of pulp or paper produced. Additions must be continuous or intermittent, depending upon the type of contamination. Additions are made via a metering pump at a point in the system that will ensure uniform distribution of this 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 first be boiled out, then treated with 0.15-0.35 lb. of this product / ton (dry) of paper or pulp as necessary for control. Moderately fouled systems must be treated continuously with 0.35-0.50 lb. of this product / ton (dry) of paper or pulp until the slime accumulation is controlled. Subsequent rates can then be reduced to 0.15-0.35 lb. of this product / ton (dry) of paper on a continuous or intermittent basis as needed for control. Dislodged slime may cause breaks in the system and equipment may be adversely affected. Slightly fouled systems must be treated continuously with 0.15-0.35 lb. of this product / ton (dry) of paper or pulp, until the slime is controlled, then added on an intermittent basis to maintain control. Additions of this product must be made with a metering pump immediately after preparation of the aqueous paper and a solution, via a metering pump, added on an intermittent basis as needed for control of slime-forming bacteria, fungi and yeasts in industrial air washing systems.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal. of this product / 1000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0015-0.047 gal. of this product / 1000 gal. of water in the system every 2 days, or as needed to maintain control. Badly fouled must be cleaned before treatment is begun. For use only in industrial air-washer systems that maintain effective mist eliminating components.

INDUSTRIAL PRESERVATION APPLICATIONS

This product may be used to reduce microbiological contamination in raw materials and/or products such as: aqueous paints and coatings, polymers, slurries, adhesives, latex and resin emulsions, sizing, caulk, process water, along with specialty industrial products including: inks, polishes, waxes, detergents, and cleansers.

TO REDUCE MICROBIOLOGICAL CONTAMINATION

Add this product to the material or product at a concentration of 25 to 2,000 ppm by weight. This concentration is equivalent to 0.6832 fluid ounces (224.0 fluid ounces/328 fl. oz. x 0.6832) per 1,000 pounds of material. This product may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of this product in slug application to 10-50 ppm of this product in continuous treatment (1/4 pint this product per 1,000 gallons of water equals approximately 30 ppm). A typical slug treatment is to add 1 pint of this product per 1,000 gal. at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

OLIFIELD AND PETROCHEMICAL SYSTEMS

This product may be used either in slug treatment or in continuous application. Dosages may vary from as much as 200 ppm of this product in slug application to 10-50 ppm of this product in continuous treatment (1/4 pint this product per 1,000 gallons of water equals approximately 30 ppm). A typical slug treatment is to add 1 pint of this product per 1,000 gal. at intervals as needed to prevent growth of microbial slime. Badly fouled systems may be slug treated to establish control, followed by continuous treatment to maintain control.

EQUIPMENT CLEANING

This product kills 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 50-250 ppm of this product in an aqueous solution to process piping and equipment. Heavily fouled solutions or equipment may be treated with up to 2000 ppm of this product. After treating process equipment with this product, allow the solution to be in contact with surfaces for up to four hours. If bleach is being used for cleaning purposes at 50-250 ppm available chlorine, this product must be used as part of a dual treatment program at a 50-100 ppm by weight, in combination with sodium hypochlorite. Treat equipment with chlorine first. Follow that treatment with this product and do not combine concentrated sodium hypochlorite solution with this product.

AIR WASHER SYSTEMS

Add 0.0015-0.095 gallons of this product / 1000 gal. of water in the system, depending on the severity of contamination, to control slime-forming bacteria, fungi and yeasts in air washing systems.

INTERMITTENT OR SLUG METHOD

Initial Dose: When the system is noticeably fouled, add 0.003-0.095 gal. of this product / 1000 gal. of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0015-0.047 gal. of this product / 1000 gal. of water in the system every 2 days, or as needed to maintain control. Badly fouled must be cleaned before treatment is begun. For use only in industrial air-washer systems that maintain effective mist eliminating components.