

DEARCIDE® 723

Controls bacteria, fungi, and yeasts in papermills, metalworking fluids containing water, and enhanced oil recovery systems; controls bacteria, fungi and algae in industrial recirculating water systems and in once-through fresh and sea water industrial cooling water systems; controls slime-forming bacteria and fungi in air washer systems.

Active ingredient:
2,2-Dibromo-3-nitropropionamide 20.0%
Inert Ingredients 80.0%
EPA Registration No. 4643-25
Establishment No. 4643-IL-1

KEEP OUT OF REACH OF CHILDREN

DANGER

FOR INDUSTRIAL USE ONLY

Precautionary Statements: HAZARDS TO HUMANS AND DOMESTIC ANIMALS. 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 and rubber gloves must be worn when handling. Wash thoroughly with soap and water after handling.

Statement of Practical Treatment - First Aid: IF SWALLOWED. Immediately induce vomiting by giving two glasses of water and sticking finger down throat. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person. IF ON SKIN. Immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse. Get medical attention if irritation persists. IF IN EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

ENVIRONMENTAL HAZARDS

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

discharge into lakes, streams, ponds, or public waters unless in accordance with a NPDES permit. For guidance, contact your regional office of the EPA.

STORAGE AND DISPOSAL

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

Storage: To maintain product quality, store at temperatures below 60°C (68°F). 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: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH THE LABELING.

Paper Mills: For the control of bacterial, fungal and yeast growths in pulp, paper and paperboard mills, add DEARCIDE® 723 at the rate of 0.15 - 0.50 lb/ton of pulp or paper (dry basis). May be continuous or intermittent feed, depending on the type of system and the severity of contamination. Addition should be made with a metering pump at a location that will insure uniform distribution of DEARCIDE 723 in the mass of fiber and water, such as the beaters, jordan inlet or discharge, broke chests, furnish chests, save-offs and white-water tanks.

Heavily Fouled Systems should be hosed out, then treated with 0.15 - 0.35 lb DEARCIDE 723/ton of paper (dry basis), as necessary for control.

Moderately Fouled Systems should be treated continuously with 0.35 - 0.50 lb DEARCIDE 723/ton of paper (dry basis) until the slime accumulation is controlled. Addition rate should then be reduced to 0.15 - 0.35 lb DEARCIDE 723/ton of paper on a continuous or intermittent basis, as needed for control. Diluted slimes may cause breaks in the paper and a clean-up of the paper machine may be advisable.

Slightly Fouled Systems should be treated continuously with 0.15 - 0.35 lb DEARCIDE 723/ton of paper (dry basis) until the slime is controlled, then added on an intermittent basis to maintain control.

Industrial Recirculating Water Cooling Towers: Add DEARCIDE 723 to the basin (or any other point of uniform mixing). Addition should be made with a metering pump; may be continuous or intermittent depending on the severity of the contamination and the retention time in the system.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 74 - 48 hours.

FOR CONTROL OF BACTERIA: Add 0.00095 - 0.0095 gal DEARCIDE 723/1000 gal of water in the system depending on the severity of contamination. **Intermittent or Slug Method:** Initial Dosage: When the system is noticeably fouled, add 0.0048 - 0.0095 gal DEARCIDE 723/1000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0024 - 0.0095 gal DEARCIDE 723/1000 gal of water in the system every 4 days or as needed to maintain control.

Continuous Feed Method: Initial Dose: When the system is noticeably fouled, add 0.0048 - 0.0095 gal DEARCIDE 723/1000 gal of water in the system. **Subsequent Dose:** When microbial control is evident, add 0.00095 - 0.0048 gal DEARCIDE 723/1000 gal of water to the system.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. **FOR CONTROL OF FUNGI AND ALGAE:** Add 0.029 - 0.095 gal DEARCIDE 723/1000 gal of water in the system, depending on the severity of contamination.

Intermittent or Slug Method: Initial Dose: When the system is noticeably fouled, add 0.048 - 0.095 gal DEARCIDE 723/1000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When algal control is evident, add 0.029 - 0.095 gal DEARCIDE 723/1000 gal of water in the system daily, or as needed to maintain control.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN. **Continuous Feed Method:** Initial Dose: When the system is noticeably fouled, add 0.048 - 0.095 gal DEARCIDE 723/1000 gal of water to the system.

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GRACE Dearborn

Dearborn Division W. R. Grace & Co. - Conn., 300 Genesee Street, Lake Zurich, IL 60047 (708) 438-1800

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Subsequent Dose: Maintain this treatment level by pumping a continuous feed of 0.029-0.095 gal DEARCIDE 723/1,000 gal of water in the system per day.

Once-through Industrial Cooling Water Systems: For controlling bacteria, fungi, and algae in once-through and closed-cycle fresh and sea water cooling systems, cooling ponds, canals, and lagoons, add DEARCIDE 723 to the system inlet water or before any other contaminated area in the system. Addition should be made with a metering pump; it may be continuous or intermittent depending on the severity of the contamination when treatment is begun and the retention time in the system.

FOR CONTROL OF BACTERIA: Add 1-12 ppm DEARCIDE 723 based on the flow rate through the system, depending on the severity of contamination.

Intermittent Method: Initial Dose: When the system is noticeably fouled, add 6-12 ppm DEARCIDE 723. Minimum treatment intervals should be 15 minutes. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 3-12 ppm DEARCIDE 723 intermittently as needed to maintain control.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

Continuous Feed Method: Initial Dose: When the system is noticeably fouled, add 6-12 ppm DEARCIDE 723 continuously to the system.

Subsequent Dose: When microbial control is evident, pump a continuous feed of 1-6 ppm DEARCIDE 723 to the system.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

FOR CONTROL OF FUNGI AND ALGAE: Add 36-118 ppm DEARCIDE 723 based on the flow rate through the system, depending on the severity of contamination.

Intermittent Method: Initial Dose: When the system is noticeably fouled, add 60-118 ppm DEARCIDE 723 to the system. The minimum treatment interval should be 15 minutes. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 36-118 ppm DEARCIDE 723 to the system daily or as needed to maintain control. The minimum treatment interval should be 15 minutes.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

Continuous Feed Method: Initial Dose: When the system is noticeably fouled, add 60-118 ppm DEARCIDE 723 to the system.

Subsequent Dose: When microbial control is evident, pump a continuous feed of 36-118 ppm DEARCIDE 723 to the system.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

Air Washer Systems: Add 0.0015 gal to 0.095 gal DEARCIDE 723/1,000 gal of water in the system, depending upon the severity of contamination to control slime-forming bacteria and fungi in industrial air washer systems.

Intermittent or Slug Method: Initial Dose: When the system is noticeably fouled, add 0.003 gal to 0.095 gal DEARCIDE 723/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0015 gal to 0.047 gal DEARCIDE 723/1,000 gal of water in the system every 2 days or as needed to maintain control.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

Continuous Feed Method: Initial Dose: When the system is noticeably fouled, add 0.003 gal to 0.095 gal DEARCIDE 723/1,000 gal of water in the system.

Subsequent Dose: Maintain this level by pumping a continuous feed of 0.0015 gal to 0.047 gal DEARCIDE 723/1,000 gal of water in the system per day.

BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

NOTE: For use only in industrial air washer systems that maintain effective mist eliminating components.

Commercial Brewery Pasteurizers: For control of bacteria and fungi, add 0.0024-0.0095 gal DEARCIDE 723/1,000 gal of water in the system depending on the severity of contamination.

Intermittent or Slug Method: Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal DEARCIDE 723/1,000 gal of water in the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.0024-0.0095 gal DEARCIDE 723/1,000 gal of water in the system daily or as needed to maintain control.

Continuous Feed Method: Initial Dose: When the system is noticeably fouled, add 0.0048-0.0095 gal DEARCIDE 723/1,000 gal of water in the system.

Metal Working Fluids Containing Water: This product is effective in metal working fluid concentrates which have been diluted in water at ratios of 1:100-1:4.

For controlling (or inhibiting) the growth of bacteria, fungi and yeasts that may deteriorate metalworking fluids containing water, add DEARCIDE 723 to the fluid in the collection tank. Additions should be made with a metering pump.

Initial or Slug Dose: When the system is just noticeably fouled, add 0.25 gal DEARCIDE 723/1,000 gal of metalworking fluid to the system. Repeat until control is achieved.

Subsequent Dose: When microbial control is evident, add 0.1-0.2 gal DEARCIDE 723/1,000 gal of metalworking fluid per day, or as needed to maintain control. Additions can be made continuously or intermittently. Slug the system as required.