

**STORAGE AND DISPOSAL:** This product is toxic to fish. Treated effluent should not be discharged where it will drain into lakes, streams, ponds or public water. Do not contaminate water, food or feed by storage or disposal. Do not reuse empty drum. Triple rinse or equivalent. Add rinsate to using system. Then offer drum for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH THE LABELING. BADLY FOULED SYSTEMS MUST BE CLEANED BEFORE TREATMENT IS BEGUN.

**PAPER MILLS:** For the control of bacterial, fungal and yeast growth 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. It 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 heaters, Jordan inlet or discharge, broke chests, furnish chests, savealls and white-water tanks.

**Heavily Fouled Systems** should be boiled 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 rates can then be reduced to 0.15-0.35 lb DEARCIDE 723/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** 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. It may be continuous or intermittent depending on the severity of the contamination when treatment is begun 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 4-8 hours.

**For Control of Bacteria:** Add 0.00095-0.0095 gal DEARCIDE 723/1,000 gal of water in the system depending on the severity of contamination. **Intermittent 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 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 723/1,000 gal of water in the system.

## 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 ..... 36.0%  
Inert Ingredients ..... 64.0%  
Net Weights: 500 lbs (55 gal drum) 375 lbs (30 gal drum) 50 lbs (5 gal pail) (Bulk)



**NOTICE** Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

**DANGER: FOR INDUSTRIAL USE ONLY**  
CAUSES SEVERE BURNS OF EYES. MAY BURN THE SKIN.  
MAY BE HARMFUL OR FATAL IF SWALLOWED

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.  
CHEMICAL WORKERS' GOGGLES  
MUST BE WORN WHEN HANDLING

**FIRST AID:** In case of eye contact, flush eyes immediately with plenty of water for at least 15 minutes and get medical attention. In case of skin contact, wash with soap and plenty of water. Wash contaminated clothing before reuse.

**IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

WASH THOROUGHLY AFTER HANDLING

**For Control of Fungi and Algae:** Add 0.029-0.095 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 0.048-0.095 gal DEARCIDE 723/1,000 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 723/1,000 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 0.048-0.095 gal DEARCIDE 723/1,000 gal of water to the system. **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.

#### 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 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.

Reduced: 2.6%

EPA Reg. No. 443-15 EPA Est. No. 4643-IL-1  
To maintain product quality, store in original container below 60°C (140°F).  
KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.  
FOR INDUSTRIAL USE ONLY.

**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.

**METALWORKING FLUIDS CONTAINING WATER:** This product is effective in metalworking 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.

**ENHANCED OIL RECOVERY SYSTEMS:** For controlling slime-forming bacteria, sulfide-producing bacteria, yeasts and fungi in oil field water, polymer or mycelar floods, water disposal systems or other oil field water systems, add 1-80 ppm DEARCIDE 723 (0.1-8.4 gal DEARCIDE 723 per 2400 barrels of water) depending on the severity of contamination. Additions should be made with a metering pump either continuously or intermittently.

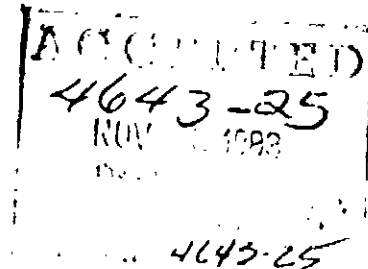
**Continuous Feed Method:** When the system is noticeably fouled, add 10-80 ppm DEARCIDE 723 (0.8-8.4 gal DEARCIDE 723 per 2400 barrels of water) continuously until the desired degree of control is achieved. Subsequently treat with 1-15 ppm DEARCIDE 723 (0.1-1.2 gal DEARCIDE 723 per 2400 barrels of water) continuously or as needed to maintain control.

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UNITED STATES DIVISION  
**DEARBORN CHEMICAL COMPANY**

Subsidiary of W. R. GRACE & CO

300 GENESEE STREET • LAKE ZURICH, ILLINOIS 60047 • TELEPHONE 312-527-5700



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Reduced 1/2 2/3

(continued from adjacent panel)

**Intermittent or Slug Method:** When the system is noticeably fouled, or to maintain control of the system, add 10-80 ppm DEARCIDE 723 (0.8-6.4 gal DEARCIDE 723 per 2400 barrels of water) intermittently for 4-8 hours per day, and from 1-4 times per week or as needed depending on the severity of contamination.

Addition of DEARCIDE 723 may be made at the free water knock outs, before or after the injection pumps and injection well headers.

**NOTE:** For control of bacteria, yeast and fungi in aqueous solutions of biopolymer used in flooding operations, add 15-60 ppm DEARCIDE 723 (1.2-5.4 gal DEARCIDE 723 per 2400 barrels of water). Additions of DEARCIDE 723 should be made with a metering pump IMMEDIATELY after preparation of the aqueous solution to prevent loss of viscosity.

**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.

## DEARCIDE 723

**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.

**NOTICE:** Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OF 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.

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EPA Reg. No. 4643-25  
EPA Est. No. 4643-IL-1

Dearborn Chemical Company  
W. R. Grace & Co.  
300 Genesee Street  
Lake Zurich, IL 60047

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, may cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Keep out of lakes, streams or ponds. Treated effluent may not be discharged into lakes, streams, ponds or public waters without a valid discharge permit. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:**  
**STRONG OXIDIZING AGENT:** Mix only with or according to label directions. Mixing this product with such as feces, urine, etc., or with ammonia, acids, or other chemicals may release hazardous gases acting to eyes, lungs and mucous membranes.

Manufactured by:

Webco Chemical Corp.  
P.O. Box 340  
Webster, MA 01570

EPA REG. NO. EPA EST. NO.  
NET CONTENTS:

WEBCHLOR

**"FOR SWIMMING POOL CHLORINATION  
AND SANITIZING."**

ACTIVE INGREDIENT:  
SODIUM HYPOCHLORITE..... 12.5%  
INERT INGREDIENTS..... 87.5%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**FIRST AID:** If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of milk, or gelatin solution or, if those are not available, drink large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention.

See additional precautions on side panel.

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABEL DIRECTIONS FOR SWIMMING POOL CHLORINATION

For a new pool or for spring start-up, superchlorinate with one pound of sodium hypochlorite solution for each 3000 gallons of water. This provides 5 ppm available chlorine by weight.

For Pool Maintenance:

- (A) Adjust pool water pH to 7.6-7.8 range and maintain.
- (B) Add manually or by a feeder device this sodium hypochlorite solution to maintain an available chlorine residual of 0.6 to 1.0 ppm. One pound of this sodium hypochlorite solution for each 3000 gallons of water provides 5 ppm available chlorine by weight. Frequency of additions to maintain available chlorine will depend on temperature and number of bather. To make certain pH and chlorine residual are in the proper range.

**DIRECTIONS FOR DISINFECTION OF POTABLE  
AT WATER TREATMENT FACILITIES.**

Disinfect this sodium hypochlorite solution in the ratio of one part to 11 parts softened water. Mix sodium hypochlorite solution and begin feeding of solution with a hypochlorinator (injector) available chlorine residual of at least 0.7 ppm and maintain this distribution system, as determined by a DPD chlorine test kit, must be conducted at a frequency no less than that prescribed by the Primary Drinking Water Regulations. Check water frequently.

\*Contact your local Health Department for further details.

**DIRECTIONS FOR SANITIZING FOOD PROCESSING  
OR DAIRY EQUIPMENT**

Clean equipment in the normal manner. Just before using, rinse with this sodium hypochlorite solution containing 200 ppm available chlorine for a minimum of two minutes. Do not treat with sodium hypochlorite solution. Do not wash away or (2 lbs/gal) of this sodium hypochlorite solution per 5 gallons provides approximately 200 ppm available chlorine by weight.

NOTE: This product degrades with age. Use a chlorine test kit, if necessary, to obtain the required level of available chlorine.

**STORAGE AND DISPOSAL:** Store in direct sunlight. In case of spill, flood area with large quantities of water and thoroughly wash and return to manufacturer for collection or burying in an approved landfill. Product or residue should be diluted with water and disposed of in a sanitary or food, or feed by storage, disposal or cleaning of equipment.

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**DANGER:** Corrosive, may cause severe skin irritation or chemical burns to broken skin. Causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash all hands after handling. Avoid breathing vapors. Vacate poorly ventilated areas as soon as possible. Do not return until odors have dissipated.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Keep out of lakes, streams or ponds. Treated effluent may not be discharged into lakes, streams, ponds or public waters without a valid discharge permit. For guidance, contact the regional office of the Environmental Protection Agency.

**PHYSICAL AND CHEMICAL HAZARDS:**

**STRONG OXIDIZING AGENT:** Mix only with water according to label directions. Mixing this product with substances such as feces, urine, etc., or with ammonia, acids, alcohols or other chemicals may release hazardous gases harmful to eyes, lungs and mucous membranes.

Manufactured by:

Webco Chemical Corp.  
P.O. Box 340  
Webster, MA 01570

EPA REG. NO. EPA EST. NO.  
NET CONTENTS:

WEBCHLOR

**"FOR SWIMMING POOL CHLORINATION  
AND SANITIZING."**

ACTIVE INGREDIENT:  
SODIUM HYPOCHLORITE..... 12.5%  
INERT INGREDIENTS..... 87.5%

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

**FIRST AID:** If on skin, wash with plenty of soap and water. If in eyes, flush with water for at least 15 minutes. Get medical attention. If swallowed, drink large quantities of milk, or gelatin solution or, if these are not available, drink large quantities of water. Do NOT give vinegar or other acids. Do NOT induce vomiting. Get prompt medical attention.

See additional precautions on side panel.

**DIRECTIONS FOR USE  
GENERAL CLASSIFICATION**

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

**DIRECTIONS FOR SWIMMING POOL CHLORINATION**

For a new pool or for spring start up, superchlorinate with one (1) pint (16 fl. oz.) sodium hypochlorite solution for each 3000 gallons of water. This dosage is equivalent to 5 ppm available chlorine by weight.

For Pool Maintenance:

- Adjust pool water pH to 7.6 - 7.8 range and maintain.
- Add manually or by a ladder device this sodium hypochlorite solution at a rate to maintain an available chlorine residual of 0.6 to 1.0 ppm. One fourth pint (2 fl. oz.) of this sodium hypochlorite solution for each 4000 gallons of water will provide 1.0 ppm available chlorine by weight. Frequency of additions to maintain 0.6 to 1.0 ppm available chlorine will depend on temperature and number of swimmers. Use test kit to make certain pH and chlorine residual are in the proper range.

**DIRECTIONS FOR DISINFECTION OF POTABLE WATER  
AT WATER TREATMENT FACILITIES.**

Dilute this sodium hypochlorite solution in the ratio of one part sodium hypochlorite solution to 11 parts softened water. Mix sodium hypochlorite solution and water thoroughly and begin feeding of solution with a hypochlorinator (metering pump). Maintain a residual chlorine residual of at least 0.2 ppm and no more than 0.5 ppm throughout distribution system, as determined by a DPD chlorine test kit. Disinfectional sample must be conducted at a frequency no less than that prescribed by the regional or local Primary Drinking Water Regulations. Check water frequently with a DPD chlorine test kit.

\*Contact your local Health Department for further details.

**DIRECTIONS FOR SANITIZING FOOD PROCESSING  
OR DAIRY EQUIPMENT**

Clean equipment in the normal manner. Just before using, place an sanitizer there with this sodium hypochlorite solution containing 200 ppm available chlorine. Allow contact with disinfectant for a minimum of two minutes. Do not rinse with water. Treat with sodium hypochlorite solution. Do not soak overnight. Addition of one (1) or (2 cups) of this sodium hypochlorite solution per 5 gallons of water will provide approximately 200 ppm available chlorine by weight.

**NOTE:** This product degrades with age. Use a chlorine test kit and increase dosage, if necessary, to obtain the required level of available chlorine.

**STORAGE AND DISPOSAL:** Store in a cool, dry area away from direct sunlight. In case of spill, flood area with large quantities of water, thoroughly flush thoroughly with water and either return to manufacturer or dispose by placing in a collection or burying in an approved landfill. Product or residue that cannot be so disposed should be diluted with water and disposed of in a sanitary sewer. Do not contaminate food, or feed by storage, disposal or cleaning of equipment.

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