

# DEARCIDE® 714

FOR THE CONTROL OF BACTERIA AND FUNGAL SLIMES IN INDUSTRIAL RECIRCULATING COOLING TOWERS,  
AIR WASHERS, EVAPORATIVE CONDENSERS, PULP AND PAPERMILLS AND CANE SUGAR MILLS

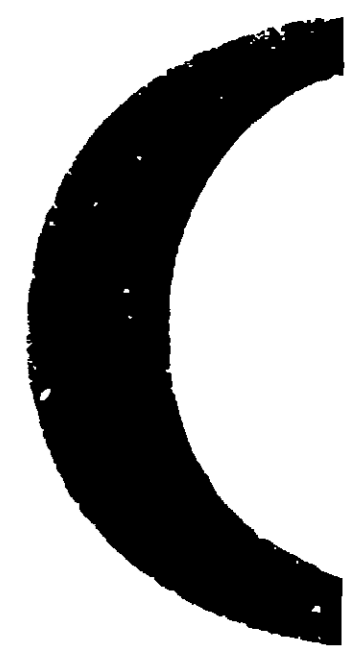
## ACTIVE INGREDIENTS:

Sodium Dimethyldithiocarbamate..... 15%  
Nabam(disodium ethylene bisdithiocarbamate..... 15%

INERT INGREDIENTS..... 70%

**DIRECTIONS FOR USE:** NOTE: COOLING TOWERS AND EVAPORATIVE CONDENSERS: Systems which are heavily contaminated should be cleaned first. Apply DEARCIDE® 714 to the cleaned system or when growth is first noticed, according to the following schedule: Initial Dose: Apply 13.06 ounces of product per each 1000 gallons of water in the system (120 ppm). This dose may be repeated once, twice or three times weekly or as required to control the growth of slime-forming organisms. Subsequent Dose: When microbial control is evident add 2.18 to 4.36 fluid ounces of DEARCIDE® 714 per 1000 gallons of water (20-40 ppm) in the system every three days or as needed. AIR WASHERS: In treating air washer systems precleaned by introducing a suitable detergent solution into the system and allow air washer to run with fan off for two hours. Flush. Check all nozzles and manually clean those that are plugged. Add product as specified under dosages for Cooling Towers. Feeding: DEARCIDE® 714 may be fed directly from the drum or diluted with water and fed by any suitable feed system. DEARCIDE® 714 should be dosed directly into the sump or basin or any other location where good distribution can be assured. PAPER MILLS: Dosage will vary from 0.1 to 2.0 pounds (0.04 to 0.81 quarts) of DEARCIDE® 714 per ton of finished paper depending on the type of stock, complexity of the system, quality of raw water, and type and degree of contamination. Feeding: DEARCIDE® 714 may be drip fed continuously from the drum or fed by suitable chemical pumps such as adjustable proportioning types; variable speed, positive displacement type; or by the reciprocating type. This product should be fed as early as possible in the system at such points including the hydropulper, machine chest or broke system. DEARCIDE® 714 may be used to control slime on machines which can make paper and paperboard for use in food packaging. DEARCIDE® 714 complies with Title 21 Code of Federal Regulations section 121.2025 of the Food Additive Regulations and may be used under conditions specified in the regulations. CANE SUGAR MILLS: DEARCIDE® 714 should be fed directly into the cane juice so that the treated juice circulates to all parts of the mill tandem. The point or points of addition will depend on mill design. Frequently the dosage will be split between the crusher juice and juice from the last mill. The best addition point is to juice which is circulated back to the crusher to first mill. Do not add this product to the maceration water. DEARCIDE® 714 should be fed continuously at the rate of 10-20 parts of product per million parts of cane ground per day. 10 ppm of product is the standard dosage. Proper feed of DEARCIDE® 714 is best obtained through the use of a chemical feed pump such as the adjustable proportioning type. Do not exceed rate of 4 gallons (39.2 pounds) of product per 1000 short tons of cane ground per twenty-four hours. Do not use this product in beet sugar mills.

ACCEPTED  
UNDER THE FEDERAL  
FUNCTIONAL FOODS  
ACT FOR FOODS  
LD UNDER NO. 464



## WARNING: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Avoid contamination of food. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Call a physician immediately.

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 by cleaning of equipment, or disposal of wastes. Do not reuse empty containers. Container should be destroyed by perforation or crushing. Discard container in a safe place.

EPA EST. 4643-IL-1  
EPA REG. NO. 4643-28

KEEP FROM FREEZING  
NET WEIGHT -

DEARBORN CO

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# DEARCIDE® 714

BACTERIA AND FUNGAL SLIMES IN INDUSTRIAL RECIRCULATING COOLING TOWERS,  
EVAPORATIVE CONDENSERS, PULP AND PAPERMILLS AND CANE SUGAR MILLS

Dithiocarbamate..... 15%  
Ethylene bisdithiocarbamate..... 15%  
..... 70%

**COOLING TOWERS AND EVAPORATIVE CONDENSERS:** Systems which are heavily contaminated should be cleaned first. Cleaned system or when growth is first noticed, according to the following schedule: Initial Dose: Apply 13.06 gallons of water in the system (120 ppm). This dose may be repeated once, twice or three times weekly or monthly to control growth of slime-forming organisms. Subsequent Dose: When microbial control is evident add 2.18 to 4.36 fluid ounces of water (20-40 ppm) in the system every three days or as needed. AIR WASHERS: In treating air washers, introduce a suitable detergent solution into the system and allow air washer to run with fan off for two hours and manually clean those that are plugged. Add product as specified under dosages for Cooling Towers. Feed directly from the drum or diluted with water and fed by any suitable feed system. DEARCIDE® 714 may be fed to the sump or basin or any other location where good distribution can be assured. PAPER MILLS: Dosage will range from 0.04 to 0.81 quarts) of DEARCIDE® 714 per ton of finished paper depending on the type of stock, complexity of water, and type and degree of contamination. Feeding: DEARCIDE® 714 may be drip fed continuously from the system by pumps such as adjustable proportioning types; variable speed, positive displacement type; or by the recirculation pump. It should be fed as early as possible in the system at such points including the hydropulper, machine chest, etc. It may be used to control slime on machines which can make paper and paperboard for use in food packaging. It is listed in the Code of Federal Regulations section 121.2025 of the Food Additive Regulations and may be used under the conditions specified. CANE SUGAR MILLS: DEARCIDE® 714 should be fed directly into the cane juice so that the treated juice is available to the mill tandem. The point or points of addition will depend on mill design. Frequently the dosage is added to the juice from the last mill. The best addition point is to juice which is circulated back to the mill. Do not add this product to the maceration water. DEARCIDE® 714 should be fed continuously at the rate of 10 ppm of product is the standard dosage. Proper feed of DEARCIDE® 714 requires the use of a chemical feed pump such as the adjustable proportioning type. Do not exceed rate of 4 gallons per 1000 short tons of cane ground per twenty-four hours. Do not use this product in beet sugar mills.

## OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of water or if these are not available, drink large quantities of water. Call a physician immediately.

Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water. Clean up spillage, washing of equipment, or disposal of wastes. Do not reuse empty containers. Container should be destroyed or recycled in a safe place.

KEEP FROM FREEZING  
NET WEIGHT -

ACCEPTED  
JUN 1 1975  
UNDER FEDERAL REGISTER  
FUNGICIDE AND BACTERICIDE ACT  
FOR BOTTLED PERSON RECORD  
ID UNDER NO. 4643-28

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DEARBORN CHEMICAL DIVISION

CORPORATION Lake Zurich, Ill. 60047