

DEARCIDE® 709

CONTROLS BACTERIA AND ALGAE IN INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING TOWERS;
CONTROLS BACTERIA AND FUNGAL SLIMES IN PULP AND PAPER MILLS.

ACTIVE INGREDIENT:

METHYLENE BIS(THIOCYANATE) 9.3%

INERT INGREDIENTS 90.7%

ACCEPTED

SEP 10 1975

U.S. DEPT. OF AGRICULTURE
FEDERAL AGENCY FOR PROTECTION OF ENVIRONMENT
EPA REG. NO. 4643-16

DIRECTIONS FOR USE: NOTE: ADD DEARCIDE® 709 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID ANY POSSIBLE INCOMPATIBILITIES.

RECIRCULATING WATER COOLING TOWERS: **INITIAL DOSE:** WHEN MICROBIOLOGICAL SLIMES ARE EVIDENT, APPLY 6.2 TO 12.4 FLUID OUNCES OF DEARCIDE® 709 PER 1000 GALLONS (50 PPM TO 100 PPM) OF WATER IN THE SYSTEM. REPEAT UNTIL CONTROL IS ACHIEVED. BADLY FOULED SYSTEMS SHOULD BE CLEANED BEFORE TREATMENT IS BEGUN. **SUBSEQUENT DOSE:** WHEN MICROBIOLOGICAL CONTROL IS EVIDENT, APPLY 3.1 TO 6.2 FLUID OUNCES OF DEARCIDE® 709 PER 1000 GALLONS (25 PPM TO 50 PPM) OF WATER IN THE SYSTEM ONCE PER WEEK, OR AS NEEDED TO MAINTAIN CONTROL. **FEEDING:** DEARCIDE® 709 SHOULD BE FED AT FULL STRENGTH IN THE COOLING TOWER BASIN AT A POINT OF MAXIMUM WATER CIRCULATION. TOWER BLEED-OFF VALVES SHOULD BE CLOSED TO PERMIT A RETENTION TIME OF 4 HOURS. SEE PRODUCT BULLETIN 7219.

PAPER MILLS: DOSAGE WILL VARY FROM 1.6 TO 3.2 FLUID OUNCES OF DEARCIDE® 709 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® 709 MAY BE DRIP FED CONTINUOUSLY FROM THE DRUM OR FED BY SUITABLE CHEMICAL PUMPS SUCH AS ADJUSTABLE PROPORTIONING TYPES; VARIABLE SPEED, PLUMP DISPLACEMENT TYPE; OR BY THE RECIPROCATING TYPE. THIS PRODUCT SHOULD BE FED AS EARLY AS POSSIBLE IN THE SYSTEM AT SUCH POINT INCLUDING THE HYDROPULPER, MACHINE CHEST OR BROKE SYSTEM.

DANGER: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

CORROSIVE. CAUSES EYE DAMAGE AND SKIN IRRITATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. MAY BE ABSORBED THROUGH SKIN. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. AVOID CONTAMINATION OF FOOD. EQUIPMENT TREATED WITH DEARCIDE® 709 SHOULD NOT BE USED FOR FOOD PROCESSING, IRRIGATION, OR IN THE MANUFACTURE OF PAPER USED FOR FOOD PACKAGING.

THIS PRODUCT IS TOXIC TO WILDLIFE. TREATED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL DRAIN INTO LAKES, STREAMS, RIVERS, OR PUBLIC WATER. DO NOT CONTAMINATE WATER BY CLEANING OR DISPOSAL OF WASTES. APPLY THE PRODUCT ONLY AS SPECIFIED ON THE LABEL.

DO NOT REUSE EMPTY DRUM. RINSE THOROUGHLY WITH WATER AND RETURN TO DRUM RECONDITIONER, OR DESTROY BY PERFORATING OR CUTTING. KEEP THIS PRODUCT AWAY FROM HEAT OR OPEN FLAMES.

FIRST AID: 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, EGGSHELLS, GELATIN SOLUTION OR IF THESE ARE NOT AVAILABLE, DRINK LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION AND CONVULSION MAY BE NEEDED.

AGITATE BEFORE USING
EPA REG. NO. 4643-16
EPA EST. NO. 4643-IL-1

KEEP FROM FREEZING
NET WEIGHT - 55 GAL. DRUM - 485 LBS.
30 GAL. DRUM - 264 LBS.

DEA

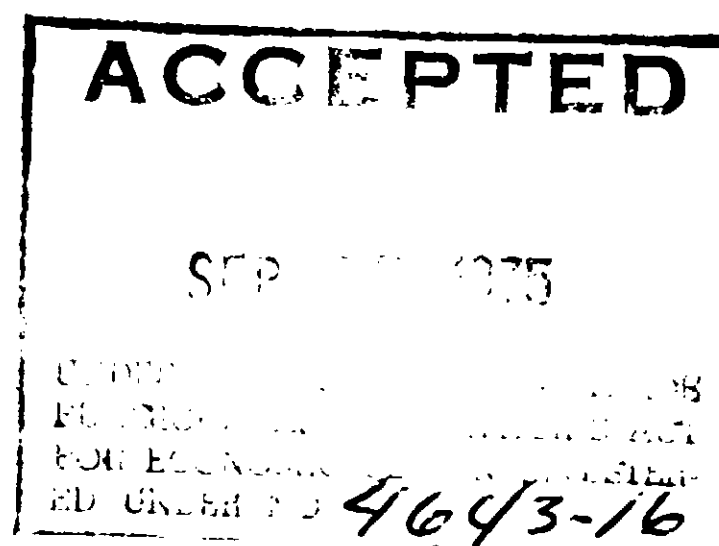
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DEARCIDE® 709

IA AND ALGAE IN INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING TOWERS;
NTROLS BACTERIA AND FUNGAL SLIMES IN PULP AND PAPER MILLS.

INGREDIENT:

YLENE BIS(THIOCYANATE) 9.3%
INGREDIENTS 90.7%



® 709 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID ANY

TIAL DOSE: WHEN MICROBIOLOGICAL SLIMES ARE EVIDENT, APPLY 6.2 TO 12.4 FLUID OUNCES OF DEARCIDE
OF WATER IN THE SYSTEM. REPEAT UNTIL CONTROL IS ACHIEVED. BADLY FOULED SYSTEMS SHOULD BE

EQUENT DOSE: WHEN MICROBIOLOGICAL CONTROL IS EVIDENT, APPLY 3.1 TO 6.2 FLUID OUNCES OF
O 50 PPM) OF WATER IN THE SYSTEM ONCE PER WEEK, OR AS NEEDED TO MAINTAIN CONTROL. FEEDING:
NGTH IN THE COOLING TOWER BASIN AT A POINT OF MAXIMUM WATER CIRCULATION. TOWER BLEED-OFF
NTION TIME OF 4 HOURS. SEE PRODUCT BULLETIN 7219.

TO 3.2 FLUID OUNCES OF DEARCIDE 709 PER TON OF FINISHED PAPER DEPENDING ON THE TYPE OF
OF RAW WATER, AND TYPE AND DEGREE OF CONTAMINATION. FEEDING: DEARCIDE 709 MAY BE DRIP FED
TABLE CHEMICAL PUMPS SUCH AS ADJUSTABLE PROPORTIONING TYPES; VARIABLE SPEED, POSITIVE DISPLACE-
THIS PRODUCT SHOULD BE FED AS EARLY AS POSSIBLE IN THE SYSTEM AT SUCH POINTS INCLUDING THE
EM.

EACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

RRITATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. MAY BE ABSORBED THROUGH SKIN. AVOID
WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. AVOID CONTAMINATION OF FOOD. WATER TREATED
R FOOD PROCESSING, IRRIGATION, OR IN THE MANUFACTURE OF PAPER USED FOR FOOD PACKAGING.

TED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL BE IN FIELDS, STREAMS, PONDS, OR
BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. APPLY THE PRODUCT ONLY AS SPECIFIED ON

LY WITH WATER AND RETURN TO DRAIN FLCONDITIONER, OR DESTROY BY PERFOKATING OR CRUSHING. KEEP
ES.

ELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. FOR EYES, CALL A
CLOTHING BEFORE REUSE. IF SWALLOWED, DRINK PROMPTLY A LARGE QUANTITY OF MILK, EGG WHITE,
ILABLE, DRINK LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.
AGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK,
Y BE NEEDED.

KEEP FROM FREEZING
NET WT - 55 GAL. DRUM - 485 LBS.
30 GAL. DRUM - 264 LBS.

DEARBORN CHEMICAL DIVISION

CHEMED CORPORATION Lake Zurich, Ill. 60047

MICROBIOTREAT 6090

CONTROLS BACTERIA AND FUNGAL SLIMES IN PULP AND PAPER MILLS;
CONTROLS BACTERIA AND ALGAE IN INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING TOWERS.

ACTIVE INGREDIENT:

METHYLENE BIS(THIOCYANATE) 9.3%

INERT INGREDIENTS 90.7%

ACCEPTED

SEP 18 1975

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
EPA REG. NO. 4643-16
EPA EST. NO. 4643-11-1

DIRECTIONS FOR USE: NOTE: ADD MICROBIOTREAT 6090 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADDITIVES, IN ORDER TO AVOID ANY POSSIBLE INCOMPATIBILITIES.

PAPER MILLS: DOSAGE WILL VARY FROM 1.6 TO 3.2 FLUID OUNCES OF MICROBIOTREAT 6090 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: MICROBIOTREAT 6090 MAY BE DRIP FED CONTINUOUSLY FROM THE DRUM OR FED BY SUITABLE CHEMICAL PUMPS SUCH AS ADJUSTABLE PROPORTIONING TYPES; VARIABLE SPEED, POSITIVE DIS-PLACEMENT 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.

RECIRCULATING WATER COOLING TOWERS: INITIAL DOSE: WHEN MICROBIOLOGICAL SLIMES ARE EVIDENT, APPLY 6.2 TO 12.5 FLUID OUNCES OF MICROBIOTREAT 6090 PER 1000 GALLONS (50 PPM TO 100 PPM) OF WATER IN THE SYSTEM. REPEAT UNTIL CONTROL IS ACHIEVED. ADD TO FILLED SYSTEMS SHOULD BE CLEANED BEFORE TREATMENT IS BEGUN. SUBSEQUENT DOSE: WHEN MICROBIOLOGICAL CONTROL IS ACHIEVED, ADD 6.2 FLUID OUNCES OF MICROBIOTREAT 6090 PER 1000 GALLONS (25 PPM TO 50 PPM) OF WATER IN THE SYSTEM ONCE PER WEEK, OR AS NEEDED. MAINTAIN CONTINUAL FEEDING.

FEEDING: MICROBIOTREAT 6090 SHOULD BE FED AT FULL STRENGTH IN THE COOLING TOWER BASIN AT A POINT OF MAXIMUM WATER CIRCULATION. BLEED-OFF VALVES SHOULD BE CLOSED TO PERMIT A RETENTION TIME OF 4 HOURS.

DANGER: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY.

CORROSIVE. CAUSES EYE DAMAGE AND SKIN IRRITATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WEAR GLOVES, GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. DO NOT CONTAMINATE FOOD. DO NOT USE WITH MICROBIOTREAT 6090 SHOULD NOT BE USED FOR FOOD PROCESSING, PREPARED FOOD, OR IN THE PRESENCE OF FOOD.

THIS PRODUCT IS TOXIC TO WILDLIFE. TREATED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL RUN OFF TO, OR BE DISCHARGED INTO, PUBLIC WATER. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. ALWAYS FOLLOW THE PRECAUTIONS ON THE LABEL.

DO NOT REUSE EMPTY DRUM. RINSE THOROUGHLY WITH WATER AND RETURN TO DRUM RECONDITIONER, OR DESTROY. KEEP THIS PRODUCT AWAY FROM HEAT OR OPEN FLAMES.

FIRST AID: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. FOR INHALATION, CALL PHYSICIAN. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. IF SWALLOWED, DRINK PROMPTLY A LARGE AMOUNT OF MILK, WATER, OR GLUTIN SOLUTION OR IF THESE ARE NOT AVAILABLE, DRINK LARGE AMOUNTS OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY STOPPAGE, RESPIRATORY DEPRESSION AND CONVULSION MAY BE NEEDED.

AGITATE BEFORE USING
EPA REG. NO. 4643-16
EPA EST. NO. 4643-11-1

KEEP FROM FREEZING
NET WEIGHT - 5 GAL. DRUM - 45 LBS.
30 GAL. DRUM - 260 LBS.

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CHEM

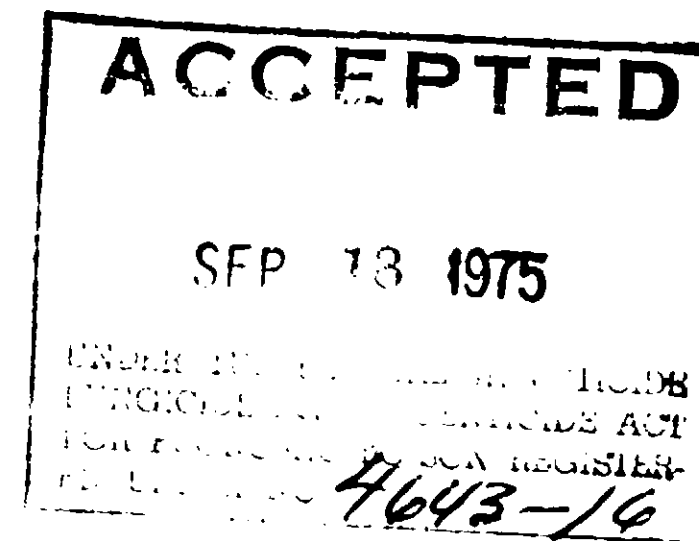
MICROBIOTREAT 6090

CONTROLS BACTERIA AND FUNGAL SLIMES IN PULP AND PAPER MILLS;
BACTERIA AND ALGAL IN INDUSTRIAL AND COMMERCIAL RECIRCULATING COOLING TOWERS.

ACTIVE INGREDIENT:

METHYLENE BIS(THIOCYANATE) 9.37

INERT INGREDIENTS 90.77



MICROBIOTREAT 6090 SEPARATELY TO THE SYSTEM. DO NOT MIX IT WITH OTHER ADJUVANTS, IN ORDER TO AVOID ANY

FROM 1.6 TO 3.2 FLUID OUNCES OF MICROBIOTREAT 6090 PER TON OF FINISHED PAPER DEPENDING ON THE TYPE OF
QUALITY OF RAW WATER, AND TYPE AND DEGREE OF CONTAMINATION. FEEDING: MICROBIOTREAT 6090 MAY BE DISP
FERRED BY SUITABLE CHEMICAL PUMPS SUCH AS ADJUSTABLE PROPORTIONING TYPES; VARIABLE SPEED, POSITIVE DIS-
CHARGING TYPE. THIS PRODUCT SHOULD BE FED AS EARLY AS POSSIBLE IN THE SYSTEM AT SUCH POINTS INCLUDING
BROKE SYSTEM.

INITIAL DOSE: WHEN MICROBIOLOGICAL SLIMES ARE EVIDENT, APPLY 6.2 TO 1.6 FLUID OUNCES OF MICRO-
BIOTREAT 6090 PER TON OF WATER IN THE SYSTEM. REPEAT UNTIL CONTROL IS ACHIEVED. **MAINTENANCE DOSE:**
IS 5.0 OUNCES. **SUBSEQUENT DOSE:** WHEN MICROBIOLOGICAL CONTROL IS EVIDENT, APPLY 3.1 TO 6.2 FLUID OUNCES
PER TON (25 PPM TO 50 PPM) OF WATER IN THE SYSTEM ONCE PER WEEK, OR AS NEEDED. **MAINTENANCE DOSE:**
SHOULD BE FED AT FULL STRENGTH IN THE COOLING TOWER BASIN AT A POINT OF MAXIMUM WATER CIRCULATION, ENOUGH
TO PERMIT A RETENTION TIME OF 4 HOURS.

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

SKIN IRRITATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. IF ON SKIN, WASH WITH SOAP AND WATER. WEAR
GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED. DO NOT CONTAMINATE FOOD OR FEEDSTUFFS. DO NOT
BE USED FOR FOOD PROCESSING, PREPARATION, OR IN THE PREPARATION OF FEEDSTUFFS.

TREATED EFFLUENT SHOULD NOT BE DISCHARGED WHERE IT WILL COME IN CONTACT WITH FISH, BIRDS, OR OTHER ANIMALS.
WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. AFTER THIS PRODUCT IS USED, WASH ALL EQUIPMENT

THOROUGHLY WITH WATER AND RETURN TO ORIGIN RECONDITIONED, OR DESTROY BY FLAMING OR BY OTHER MEANS. KEEP
FROM FLAMES.

IMMEDIATELY FLUSH EYES OR SKIN WITH TONTS OF WATER FOR AT LEAST 15 MINUTES. IF ON SKIN, CALL FOR
CONTAMINATED CLOTHING BEFORE REUSE. IF SWALLOWED, DRINK PROMPTLY A LARGE QUANTITY OF MILK, OR WATER, IF
NOT AVAILABLE, DRINK LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.
GASTRIC DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY STOPPAGE,
IF NECESSARY, MAY BE NEEDED.

KEEP FROM FREEZING
NET WEIGHT - 5 GAL. DRUM - 48.5 LBS.
30 GAL. DRUM - 291 LBS.

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DEARBORN CHEMICAL DIVISION

CHEMED CORPORATION Lake Zurich, Ill. 60047