

464-389

9/5/2002

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP - 5 2002

Ms. Rhonda Vance-Moeser
Senior Regulatory Specialist
The Dow Chemical Company
1803 Building
Midland, MI 48674

Subject: **XD-1603L ANTIMICROBIAL**
EPA Registration Number 464-389
Amended Application Dated July 23, 2002

Dear Ms. Vance-Moeser:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with comments.

Proposed amendment:

- revise labeling per PR Notice 2001-1
- storage and disposal per PR Notice 83-3

General comments:

The following label revisions must be made:

- The precautionary statement subheading must be revised to read:

**PRECAUTIONARY STATEMENT
HAZARDS TO HUMAN AND DOMESTIC ANIMALS
DANGER**

CONCURRENCES

SYMBOL	45100						
SURNAME	[Signature]						
DATE	9/4/02						

A stamped copy of the accepted labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product.

Should you have any further questions regarding this letter, please contact me at (703) 308-6422.

Sincerely,



Adam Heyward
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510C)

Enclosure:

XD-1603L ANTIMICROBIAL

Active Ingredient(s):
2,2-Dibromo-3-nitripropionamide 97.6%
Inert Ingredient(s):2.4%
Total100%

E.P.A. Registration No. 464-389
E.P.A. Est. 73260-CHN-001

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**CORROSIVE • CAUSES
IRREVERSIBLE EYE DAMAGE • MAY
BE FATAL IF SWALLOWED • CAUSES
SKIN IRRITATION • HARMFUL IF
ABSORBED THROUGH SKIN**

Do Not Get In Eyes, On Skin, Or On
Clothing • Chemical Worker's Goggles Must
Be Worn When Handling • Wash
Thoroughly With Soap And Water After
Handling • Remove Contaminated Clothing
and Wash Before Reuse • Avoid Breathing
Dust • Use With Adequate Ventilation

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms.
Do not discharge effluent containing this product
into lakes, streams, ponds, estuaries, oceans or
public 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.



THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A.

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FIRST AID	
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 30 minutes• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call poison control center or doctor (preferably an ophthalmologist) for treatment advice.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 30 minutes• Call a poison control center or doctor for treatment advice
IF SWALLOWED	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice• Have a person sip 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	<ul style="list-style-type: none">• Move person to fresh air• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth• Call a poison control center or doctor for treatment advice
HOT LINE NUMBER	
IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect 989-636-4400. Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

PESTICIDE STORAGE AND DISPOSAL

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

Pesticide Storage: To maintain product quality, store at temperatures below 60 C.

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. Dispose of container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.



NOTICE

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

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 OR FITNESS FOR A PARTICULAR PURPOSE, Expressed 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 act.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with the labeling.

NOTE: ADD SOLUTIONS OF XD-1603L ANTIMICROBIAL SEPARATELY TO THE SYSTEM. DO NOT MIX THEM WITH OTHER ADDITIVES, IN ORDER TO AVOID DECOMPOSITION OF XD-1603L ANTIMICROBIAL DUE TO THE HIGH pH OF MANY ADDITIVE FORMULATIONS.

PAPER MILLS

For the control of bacterial, fungal, and yeast growths in pulp, paper, and paperboard mills, add a solution of XD-1603L ANTIMICROBIAL at the rate of 0.03-0.10 lb. DBNPA 100 POWDER/ton of pulp or paper (dry basis). Addition may be continuous or intermittent, depending upon 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 XD-1603L ANTIMICROBIAL 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 should be boiled out, then treated with 0.03-0.07 lb. XD-1603L ANTIMICROBIAL/ton of paper (dry basis), as necessary for control.

MODERATELY FOULED SYSTEMS should be treated continuously with 0.07-0.10 lb. XD-1603L ANTIMICROBIAL/ton of paper (dry basis) until the slime accumulation is controlled. Addition rates can then be reduced to 0.03-0.07 lb. XD-1603L ANTIMICROBIAL/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 0.03-0.07 lb. XD-1603L ANTIMICROBIAL/ton of paper (dry basis) until slime is controlled, then added on an intermittent basis to maintain control.

COOLING TOWERS

For control of bacterial growths in cooling towers, add solutions of XD-1603L ANTIMICROBIAL to the basin (or at any other point of uniform mixing). Add 0.002-0.020 lb XD-1603L ANTIMICROBIAL/1,000 gallons of water in the system, depending on the severity of contamination. 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.

INTERMITTENT or SLUG METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.07-0.02 lb. XD-1603L ANTIMICROBIAL/1,000 gallons of water in the system. Repeat until control is achieved.

SUBSEQUENT DOSES: When microbial control is evident, add 0.005-0.02 lb. XD-1603L ANTIMICROBIAL/1,000 gallons of water in the system every 4 days, or as needed to maintain control.

BADLY FOULED SYSTEMS must be cleaned before treatment.

CONTINUOUS FEED METHOD

INITIAL DOSE: When the system is noticeably fouled, add 0.07-0.02 lb. of XD-1603L ANTIMICROBIAL/1,000 gallons of water in the system. Subsequently, maintain this treatment level by pumping a continuous feed of 0.001-0.010 lb. XD-1603L ANTIMICROBIAL/1,000 gallons of water lost by blowdown.

BADLY FOULED SYSTEMS must be cleaned before treatment is begun.

Optimum performance with this product is attained by continuous or intermittent treatment. If "shock" treatment is used, the blowdown should be discontinued for 24-48 hours.

NET WT:

LOT