

49854-10

05/19/1992

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READ ALL PARTS OF THIS LABEL

CYTOX[®] 2000

Industrial Microbiocide

(For use as a preservative for paper and paperboard products,
aqueous slurries, and polymer lattices in aqueous solution.)

DANGER!

KEEP OUT OF REACH OF CHILDREN
FLAMMABLE LIQUID AND VAPOR
CORROSIVE; CAUSES EYE AND SKIN DAMAGE
HARMFUL IF SWALLOWED OR INHALED

See side panel for additional precautions

ACCEPTED**MAY 19 1992**

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 49854-10

ACTIVE INGREDIENT:

Dodecylguanidine hydrochloride 33%

INERT INGREDIENTS 67%

EPA Reg. No. 49854-10

EPA Est. No. 1730-WV-1

NET CONTENTS: 53 Gallons**(2.64 pounds active ingredient per gallon)****CONDITIONS OF SALE**

Nothing contained herein shall be construed to imply the nonexistence of any relevant patent, nor constitute permission, inducement or recommendation to practice any invention covered by any patent owned or controlled by American Cyanamid or by others, without authorization from the owner or party controlling the patent. The patents owned or controlled by American Cyanamid which are not licensed include, but are not limited to, U.S. Patent Numbers 2,906,595, and 3,436,461 and such named patents are available for licensing upon written request.

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American Cyanamid Company
WAYNE, NEW JERSEY 07470 Emergency Phone: 201-835-3100

**HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
DANGER**

DO NOT GET IN EYES

Wear goggles or face shield when handling. Do not put your fingers to your eyes.

DO NOT GET ON SKIN

Wear rubber gloves when handling and wash thoroughly afterward.

DO NOT GET ON CLOTHING

If you spill some of this product on your clothing or shoes, remove the contaminated clothing and shoes at once and wash them before reuse.

DO NOT BREATHE VAPORS

Use only with adequate ventilation or wear appropriate respiratory protection to avoid breathing aerosols, mists or vapor of this product.

STATEMENTS OF PRACTICAL TREATMENT

IN CASE OF CONTACT, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

IF SWALLOWED, drink promptly a large quantity of milk, gelatin solution or if these are not immediately available, drink large quantities of water. Avoid alcohol. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

IN CASE OF ACCIDENT

SPILL OR LEAK: Prevent eye and skin contact. Wear protective equipment such as chemical splash-proof goggles or face shield and rubber gloves. For large spills, a NIOSH-approved, positive pressure, self-contained respirator and rainsuit is recommended. Cover spills with some inert absorbent material. Sweep up absorbed spill and place in a waste disposal container for proper disposal. Flush spill area with water.

FIRE: On small fire use dry chemical or carbon dioxide. On large fire use water spray or alcohol foam. Wear self-contained, positive-pressure breathing apparatus and full firefighting protective clothing.

STORAGE AND DISPOSAL

STORAGE: Keep away from heat, sparks, and open flame. Do not puncture or incinerate container. Store this product between 60° F and 110° F. Keep drum tightly closed when not in use.

DISPOSAL: Do not contaminate water, food, or feed by storage or 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. Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by incineration, if allowed by state and local authorities. If burned, stay out of smoke.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this active ingredient into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewer treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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Fungicide, and Rodenticide Act,
as amended, for the pesticide
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EPA Reg. No. 49854-10

DIRECTIONS FOR USE

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

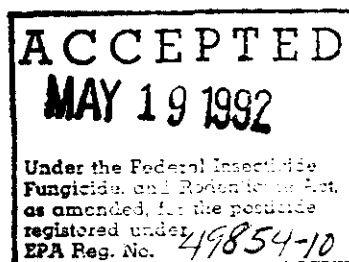
This product is effective in controlling microorganisms such as bacteria, fungi and yeasts which cause deterioration of paper and paperboard products or articles molded from paper pulp. It may be added to the pulp stock in the beater or applied to the formed sheet by size press or rollcoater, or as a uniform spray. If the product is used as a beater additive, the degree of retention of the active ingredient will depend upon the nature of the other additives in the system. Technical service is available from the manufacturer of this product to assist customers in making the proper and most efficient use of the product.

FOOD PACKAGING. For paper and paperboard intended for use in direct contact with food, the rate of application of this product must be adjusted so that the amount of active ingredient retained does not exceed 0.4 percent by weight of the paper or paperboard. Paper or paperboard so treated may be used only in contact with nonalcoholic food having a pH above 5.

This product may also be used in the outermost ply of multiwall paper bags intended for use as containers for dry food, provided the amount of active ingredient retained does not exceed 0.8 percent by weight of that ply.

PAPER AND PAPERBOARD PRODUCTS FOR INDUSTRIAL OR AGRICULTURAL USE. When the paper or paperboard product is to be subjected to excessive leaching as by rainfall or contact with ground water, a concentration of up to 0.8 percent of active ingredient (dodecylguanidine hydrochloride) by weight of the paper or paperboard may be required for effective microbial control.

LBL 1609 (R9) 12/90



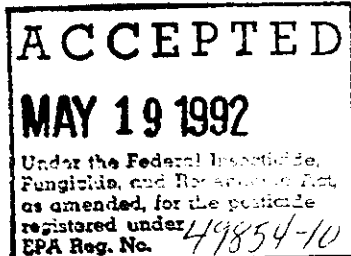
DIRECTIONS FOR USE IN AQUEOUS SLURRIES

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

This product is effective for the control of microorganisms that cause deterioration of aqueous slurries. It is also cleared for use by the FDA as an antimicrobial agent in paper and paperboard packaging materials in contact with non-alcohol containing food having a pH above 5.

APPLICATION: For use as a microbiocide in aqueous slurries (e.g., titanium dioxide, ^{Kaolin, Calcium Carbonate}) at a level of up to 0.1%. The treated aqueous slurry may be subsequently used in paints and adhesives at a maximum use level of 20%. The actual required concentration of preservative depends on the particular slurry, the expected frequency of repeated microbial contamination, and the necessary level of protection.

To insure uniform distribution of the preservative and to prevent local coagulation of the slurry caused by shock during the addition, treat the slurry with a dilute solution of CYTOX® 2000 microbiocide using adequate agitation. Recommended dilution is 30/1.



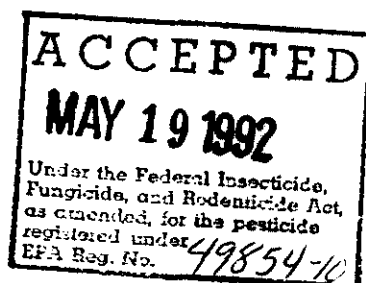
DIRECTIONS FOR USE IN POLYMER LATTICES

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

This product is effective for the control of microorganisms that cause deterioration of polymer lattices. It is also cleared for use by the FDA as an antimicrobial agent in paper and paperboard packaging materials in contact with non-alcohol containing food having a pH above 5.

APPLICATION: Treat 1000 lbs. (454 kg) latex with 0.046 to 0.303 lbs. (21-138 g) CYTOX® 2000 microbiocide to provide a level of 15-100 ppm active DGH. The actual required concentration of preservative depends on the particular polymer, the expected frequency of repeated microbial contamination, and the necessary level of protection.

To insure uniform distribution of preservative and to prevent local coagulation of polymer caused by shock during the addition, treat the latex with a dilute solution of CYTOX® 2000 microbiocide using adequate agitation. Recommended dilution is 30/1.



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FLAMMABLE LIQUID, CORROSIVE, N.O.S.
(Contains isopropanol and dodecylguanidine
hydrochloride)

UN 2924

Flash Point 95°F



FLAMMABLE LIQUID

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CORROSIVE

Before handling this material, read
American Cyanamid Material Safety
Data Sheet for more detailed
safety, health and environmental
data.

The following components of this
product are listed in accordance
with right-to-know laws.

CAS No.	Component
000067-63-0	Isopropanol
000461-58-5	Dicyandiamide
000929-73-7	Dodecylamine hydrochloride
007732-18-5	Water
013590-97-1	Dodecylguanidine hydrochloride

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