

## 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.



READ ALL PARTS OF THIS LABEL

# CYTOX® 2013

## Industrial Microbio

**DANGER!**

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

See side panel for additional precautions

### ACTIVE INGREDIENT:

Dodecylguanidine hydrochloride

### INERT INGREDIENTS

EPA Reg. No. 1730-23

EPA Est. No. 1730

NET CONTENTS: 53 Gallons

(2.64 pounds active ingredient per gallon)

### CONDITIONS OF SALE

This product is sold hereunder on the condition that it is not to be construed to imply the nonexistence of any relevant patent rights, nor is it to be construed to grant to any party any right in any invention covered by any patent owned or controlled by American Cyanamid Company. The patents owned or controlled by American Cyanamid Company are hereby acknowledged to U.S. Patent Numbers 2,906,595 and 1,435,481 and such other patents as may be required.

American Cyanamid Company  
WAYNE, NEW JERSEY 07470 201-831-2000



READ ALL PARTS OF THIS LABEL

# CYTOX<sup>®</sup> 2013

## Industrial Microbiocide

**GER!**

**KEEP OUT OF REACH OF CHILDREN  
FLAMMABLE LIQUID AND VAPOR  
CORROSIVE  
CAUSES EYE DAMAGE AND SKIN IRRITATION  
HARMFUL OR FATAL IF SWALLOWED**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

SEP 13 1983  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
49854-10

See side panel for additional precautions

**ACTIVE INGREDIENT:**

Dodecylguanidine hydrochloride 33%

**INERT INGREDIENTS**

67%

EPA Reg. No. 1730-23

EPA Est. No. 1730-WV-1

**NET CONTENTS: 53 Gallons**

**(2.64 pounds active ingredient per gallon)**

CONDITIONS OF SALE

American Cyanamid Company  
WAYNE, NEW JERSEY 07470-2000

**HAZARDOUS 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.

**STATEMENTS OF PRACTICAL  
TREATMENT**

**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 immediately available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Never give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN**

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

**IN CASE OF ACCIDENT**

**SPILL OR LEAK.** Cover spill with sawdust or other absorbent material. Wear goggles or face shield and rubber gloves. Sweep up absorbed spill and incinerate or bury in a landfill. Flush area with water.

**FIRE.** On small fire use dry chemical or carbon dioxide. On large fire use water spray. Wear self-contained breathing apparatus and full protective clothing.

**FLAMMABLE**

Do not use, pour, spill or store this product near heat, sparks, or flame.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Do not reuse empty container. Dispose of in a incinerator or landfill approved for pesticide containers, or bury in a place. Consult federal, state or local disposal authorities for approved incineration procedures such as limited burning. Stay out of smoke and fumes.

**ENVIRONMENTAL HAZARD**

This pesticide is toxic to fish and should not be discharged into lakes, streams, or public waters unless in accordance with an NPDES permit. For more information contact your Regional Office of EPA. Do not contaminate water during cleaning of equipment or disposal of waste.

#### NOTE TO PHYSICIAN

mucosal damage may con-  
the use of gastric lavage.  
against circulatory shock,  
depression and convulsion  
needed.

#### IN CASE OF ACCIDENT

LEAK. Cover spill with  
other absorbent material  
goggles or face shield and rubber  
gloves. Pick up absorbed spill and in-  
bury in a landfill. Flush spill  
water.

Small fire use dry chemical or  
foam. On large fire use water  
or self-contained breathing  
apparatus and full protective clothing.

#### FLAMMABLE

Do not pour, spill or store this pro-  
duct near heat, sparks or flame.

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed  
stuffs. Do not reuse container. Do not  
dispose of in an incinerator or landfill  
unless approved for hazardous waste  
containers, or bury in a safe  
landfill. Consult federal, state or local  
authorities for approved alter-  
nate disposal methods such as limited open  
burning out of smoke and fumes.

#### ENVIRONMENTAL HAZARDS

This material is toxic to aquatic life  
and may cause long-term adverse effects  
on the environment. Do not discharge  
into lakes, streams, rivers, or oceans  
without a permit. For more information  
contact the Regional Office of the  
Environmental Protection Agency.

**FLAMMABLE LIQUID, CORROSIVE, N.O.S.**  
**(Dodecylguanidine hydrochloride**  
**in alcohol and water)**  
**UN 2924**  
**Flash Point 95°F**



49954-10

13 SEP 1983

American Cyanamid Company  
1 Cyanamid Plaza  
Wayne, NJ 07470

Attention: Allan B. Sherr, Manager  
Chemical Petitions & Regulatory Affairs

Gentlemen:

Subject: Cytox 2013 Industrial Microbiocide  
New EPA Registration No. 49854-10  
Your Submission Dated August 2, 1983

The amendment referred to above, submitted in connection with registration under FIFRA, is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Include the new assigned EPA Registration Number 49854-10. Refer to our letter of May 10, 1983.
  - b. Add the statement:

For use as a preservative of paper and paper bond products  
to appear directly below the statement:  
Industrial Microbiocide, on the center panel.

- c. Revise the statement: (middle left panel)

...intended for use as containers for dry food, provided the amount of...

to read:

...intended for use as containers for dry food whose surfaces contain no free fat or oil, provided the amount of....

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							


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2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

  
John H. Lee  
Product Manager (31)  
Disinfectants Branch  
Registration Division (TS-757C)

Enclosures

DIS:LER:DCR-11914:WANG-0983C:HK:Raven:479-2013:9/2/83