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American Cyanamid Company 1 Cyanamid Plaza Wayne, NJ 07470

Attention: Allan Sherr, Manager

Chemical Petitions & Regulatory Affairs

AUG 23 1983

Gentlemen:

Subject: Cytox 2050 Industrial Microbiocide

EPA Registration No. 49854-11

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. Delete the number 1730-23. This is not your registration number. Refer to our letter of May 10, 1983, for the correct EPA Registration No. (49854-11).
- 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-767C)

Enclosure

TS-767C:JLee:DCR-11885:WANG-0855C:KIM:Raven:479-2013:8/16/83

	CONCURRENCES	
SYMBOX - MILLS,		
SURNAME 0 2113		
DATE >		
EPA Form 1320-1 (4-81)		OFFICIAL FILE COPY



READ ALL PARTS OF THIS LABEL

CYTOX® 2050 Industrial Microbiocide

DANGER!

KEEP OUT OF REACH OF CHILDREN FLAMMABLE LIQUID AND VAPOR CORROSIVE

ACCEPTED
with COMMENTS
in EPA Letter Dated:

CAUSES EYE DAMAGE AND SKIN IRRITATION HARMFUL OR FATAL IF SWALLOWED

AUG 23 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act See side panel for additional precautionamended, for the pesticide registered under EPA Reg. No.

49854-1

ACTIVE INGREDIENT:

EPA Reg. No. 1730-23

EPA Est. No. 1730-WV-1

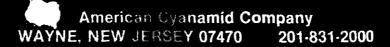
NET CONTENTS: 53 Gallons

(2.64 pounds active ingredient per gallon)

CONDITIONS OF SALE

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.

24688-22



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 convulsion 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 spill 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 an incinerator or landfill approved for pesticide containers, or bury in a safe place. Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning. Staf out of smoke and fumes.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge into takes, streams, ponds or public waters unless in accordance with NPDES permit. For guidance co. your Regional Office of the EPA.

DIRECTIONS FOR USE

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

INDUSTRIAL RECIRCULATING WATER COOLING TOWERS. This product reduces the growth of algae, bacteria and fungi in industrial recirculating water cooling towers. Reduction of microbial growth is obtained by the addition of CYTOX 2050 as a slug dosage one to three times per week at a dosage of 5.3 to 8.0 ounces (by weight) per one thousand gallons of water in the system (40 to 60 parts of product per million parts of water by weight). Once the reduction is accomplished, the addition of CYTOX 2050 can be reduced to a periodic dosage of 2.7 to 5.3 ounces (by weight) per one thousand gallons of water, once per week, or as needed. For application by proportioning pump, these dosages should be calculated on the basis of each one thousand gallons of bleed-off. The basin of the tower or a line from a hot well are suitable addition points. Application should be made to systems when the presence of microbial contamination is first noticed. Water cooling towers which are heavily contaminated should be cleaned manually before treatment with this product. Do not use in potable water systems.

SEWAGE DISPOSAL LAGOONS. This product reduces the growth of algae on the surface of sewage disposal lagoons which, if unchecked, can cause the lagoon to become totally anaerobic and emit odors. Dilute CYTOX 2050 with water to accommodate the delivery characteristics of the pump and spray rig, and apply evenly to the surface of the lagoon. Dosage should be 1.0 to 1.5 ounces (by weight) of CYTOX 2050 per 100 square feet of surface, depending on the population density of the algal blooms. The interval between treatments will be determined by the reappearance of floating algal blooms and subsequent treatments should be made as spot treatments at the same dosage as the initial treatment. A small outboard motorboat equipped with a tank-pump-spray boom assembly can be used to traverse the lagoon between flagmen on opposite shores in order to lay down an even spray pattern.

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