

DIRECTIONS FOR USE

PAPER MILLS. CYTOX 3810 is added to the white-water system or to the stock furnish at a rate of 0.1 to 0.55 pounds per ton of paper. The exact dosage will depend upon operating conditions and extent of microbiologic contamination of the system. If slime build-up is heavy, addition is best made in periodic shock dosages such that the total required dosage is added within a two- to four-hour period. Subsequently, the recommended method of addition is as repeated dosages twice a day for a one- to two-hour period.

SOLUTIONS AND EMULSIONS. For the preservation of solutions, emulsions, adhesives and other liquid products based on substrates such as polymers of styrene, butadiene, acrylates, vinyl acetate and vinyl chloride, the addition of 100 parts of CYTOX 3810 per million parts of the liquid product (by weight) is generally effective. Specific dosage requirements will depend on the environmental characteristics in which the latex solution or emulsion is manufactured, stored, exposed to recontamination, and shipped. Actual testing of the product under the housekeeping practices employed at various dosages up to 100 parts per million, is required for a final recommendation. Under conditions of long-term storage and microbial recontamination, the treatment should be repeated as required. CYTOX 3810 should be fed to the turbulent flowing liquid product to insure proper mixing of the recommended dose. Do not use in products of this type that are intended for use in the manufacture of food-packaging materials or containers for food.

SECONDARY OIL RECOVERY. For control of sulfate-reducing bacteria and other microorganisms in water used for secondary oil recovery or subsurface injection, 1.0 to 8 fluid ounces of CYTOX 3810 per 1000 gallons of water (7.8 to 62.4 parts of product per million parts of water) as a slug treatment once or twice per day is effective.

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 3810 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 3810 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 first, before treatment with this product. Do not use on potable water systems.



READ ALL PARTS OF THIS LABEL

ACCEPTED

3/26/72

1730-21

CYTOX[®] 3810

Industrial Microbiocide

DANGER!

KEEP OUT OF REACH OF CHILDREN.
CAUTION: May be Harmful if Swallowed.
ADULTS: If Swallowed, Drink Milk or Water and Call Doctor.

See side panel for additional precautions

ACTIVE INGREDIENT:

Chloroethylene bithiocyanate

10%

INERT INGREDIENTS

90%

EPA Reg. No. 1730-21

NET CONTENTS: 51.3 Gallons

(0.975 pounds active ingredient per gallon)

AMERICAN CYANAMID COMPANY

INDUSTRIAL CHEMICALS AND PLASTICS DIVISION • WAYNE, NEW JERSEY 07090

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CYTOX[®] 3810

Industrial Microbiocide

DANGER!

KEEP OUT OF REACH OF CHILDREN

CAUTION

CAUSES SEVERE EYE AND SKIN DAMAGE

HARMFUL OR FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN

See side panel for additional precautions

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AMERICAN CYANAMID COMPANY

INDUSTRIAL CHEMICALS AND PLASTICS DIVISION • WAYNE, NEW JERSEY 07470

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.

FIRST AID 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 cerebral anoxia are 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.

DANGER TO FISH AND WILDLIFE

This product is toxic to fish. Keep out of lakes, streams or ponds. Treated effluent waters may be harmful to fish and other aquatic life.

DO NOT CONTAMINATE FOOD

Store this product away from food and feed.

DRUM DISPOSAL

Do not reuse empty drum. Return to drum reconditioner or destroy by perforating or crushing and burying in a deep place.