

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 27 2001

Alan Katz, Agent for Cytec Industries  
ToXel Toxicological & Regulatory Affairs  
7545 Presidential Lane  
Manassas, VA 20109

**RE: CYTOX 2013 Industrial Microbiocide**  
**EPA Reg. No. 68387-1**  
**Your Re-Submission Dated 8/30/2001**

The re-submission referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to:

1. Provide revised labels which change the official primary brand name from "Cytox 2000 Industrial Microbiocide" (as it was on the last accepted label dated 5/19/1992), back to the originally registered name "Cytox 2013 Industrial Microbiocide",
2. Change the declared active ingredient percentage from 33% to 35%,
3. Reflect the new registrants name and address, and, to
4. Update the "First Aid" and "Use directions", is acceptable provided you make the following three labeling changes. As per our meeting on 8/28/2001, you indicated that the intended purpose of the product is to protect the finished paper and paperboard products from microorganism attack, and not as a pulp and paper process water additive used for controlling microorganisms in the water itself.

A. Therefore, to clarify this intended purpose, you must add the following sentence (or similar) to the "Use Directions",

"Product is not intended for controlling microorganisms in the pulp and paper process water itself."

B. Change the sentence,

"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",

to the following,

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

OFFICIAL FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

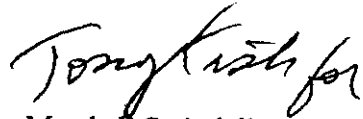
"This process additive product is effective in controlling microorganisms such as bacteria, fungi, and yeasts which cause deterioration of finished paper and paperboard products or articles molded from paper pulp"

C. Prior to the statement, "Para Uso Industrial Exclusivamente (Art. 1223 LGS)", you must provide the correct English translation. Also, delete "(Art. 1223 LGS)". The Agency does not accept the need to have this designation.

A stamped copy of the accepted label is enclosed for your records.

If you have any questions about the comments in this letter, please feel free to contact Tony Kish at 703-308-9443, or myself at 703-308-6341.

Sincerely,



Marshall Swindell,  
Product Manager Team 33,  
Regulatory Management Branch I  
Antimicrobials Division (7510C)

10-1-81  
10-1-81

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

# CYTEC

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

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

68387-1

Before handling this material, read CYTEC Material  
Safety Data Sheet # 0361 for more detailed safety,  
health and environmental data.

Antes de manejar este material, lea la literatura de  
Cytec de México, S.A. de C.V. para una información  
mas detallada acerca de seguridad, salud y  
protección ambiental. MSDS # 0361

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

CAS Number	Component Name
000067-63-0	Isopropanol
000461-58-5	Dicyandiamide
000929-73-7	Dodecylamine hydrochloride
013590-97-1	Dodecylguanidine hydrochloride
007732-18-5	Water

EPA REG No. 68387-1

EPA EST No. 68387-MEX-001

PRODUCTO DE MEXICO

® Trademark or Marca Registrada

Read all parts of this label  
LEA CUIDADOSAMENTE ESTA ETIQUETA

## CYTOX® 2013

### Industrial Microbiocide

(Dodecylguanidine hydrochloride in isopropanol and water)  
(CLORHIDRATO DE DODECILGUANIDINA EN ISOPROPANOL Y AGUA)

### Microbicida Industrial

For use as a preservative for paper and paperboard products  
(FOR CONTROL OF BACTERIA, FUNGI AND YEASTS)  
(PARA CONTROL DE BACTERIAS, HONGOS Y LEVADURAS)

**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.

**PELIGRO:** Si Usted no entiende la etiqueta, busque a alguien para  
que se lo explique a Usted en detalle.  
MANTENGALO FUERA DEL ALCANCE DE LOS NIÑOS.  
LIQUIDO Y VAPORES INFLAMABLES.  
CORROSIVO; CAUSA DAÑO EN OJOS Y PIEL.  
DAÑINO SI SE INGIERE O INHALA.

ACTIVE INGREDIENT/INGREDIENTE ACTIVO

Dodecylguanidine hydrochloride/ Clorohidrato de dodecilguanidina..... 35 %

OTHER INGREDIENTS/OTROS INGREDIENTES..... 65 %

TOTAL..... 100%

LOT / LOTE No.

NET CONTENTS: \_\_\_ Gallons (2.64 pounds active ingredient per gallon)

NET WEIGHT / PESO NETO : \_\_\_ Kg \_\_\_ Lbs

CYTEC DE MEXICO, S.A. DE C.V.  
ATEQUIZA, JALISCO, 45860 MEXICO

CYTEC Industries Inc. West Paterson, NJ 07424 USA

TELEFONO DE EMERGENCIA CYTEC (373) 7-0004

MEXICO: SETIQ (800) 0-0214 O (5) 559-1588

Emergency Phone: 1-800 / 424 - 9300 or 703 / 527 - 3887

003001

EPA

ATTENTION	ATENCION
CONTAINER HEADSPACE MAY CONTAIN HAZARDOUS GAS OR VAPOR. OPEN CONTAINER WITH CARE. USING ADEQUATE VENTILATION AND AVOIDING IGNITION SOURCES. DO NOT USE AIR PRESSURE OR APPLY HEAT WITH OPEN FLAME TO REMOVE CONTENTS OF CONTAINER. AFTER EMPTIED, CONTAINER MAY RETAIN SOLID, LIQUID AND/OR VAPOR RESIDUES. CONTINUE TO OBSERVE ALL PRECAUTIONS, IF ANY ON LABEL. DO NOT CUT, PUNCTURE TORCH OR WELD ON OR NEAR EMPTIED CONTAINER. DO NOT USE FOR OTHER PURPOSES.	EL ESPACIO LIBRE DEL TAMBOR PUEDE CONTENER GAS O VAPOR RIESGOSO. ABRA EL TAMBOR CON CUIDADO, USANDO VENTILACION ADECUADA Y EVITANDO FUENTES DE IGNICION. NO USE AIRE A PRESION NI APLIQUE CALOR CON LLAMA ABIERTA, PARA REMOVER EL CONTENIDO DEL TAMBOR. OBSERVE LAS MISMAS PRECAUCIONES CUANDO EL TAMBOR ESTE VACIO YA QUE PUEDE CONTENER RESIDUOS SOLIDOS, LIQUIDOS Y/O VAPORES. NO PERFORE, CORTE O SUELDE EN O CERCA DEL TAMBOR VACIO. NO UTILICE EL TAMBOR VACIO PARA OTROS USOS

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

"DANGER. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and rubber gloves. Wash thoroughly after handling with soap and water, and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse"

FIRST AID	
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If swallowed	<ul style="list-style-type: none"><li>• Call poison control center, or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment.	
NOTE TO PHYSICIAN	
"Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed."	

## 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.

**IN CASE OF ACCIDENT:** 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 a large fire use water spray or alcohol foam. Wear self contained positive pressure breathing apparatus and full firefighting protective clothing.

## 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA.

PARA USO INDUSTRIAL EXCLUSIVAMENTE  
(Art. 1223 LGS)

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## 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 the 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. A concentration of up to 0.4 percent by weight may be required for effective microbial control.

This product may also be used in the outermost ply of multiwall paper bags intended for use as containers for dry food (i.e., dry solids with the surface containing no free fat or oil), 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.

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SCT/DOT/IMO/ICAO/IATA  
FLAMMABLE LIQUID, CORROSIVE, N.O.S.  
LIQUIDO FLAMABLE, CORROSIVO, N.E.O.M.  
(Contains Isopropanol and Dodecylguanidine Hydrochloride)  
(Contiene Isopropanol y Clorhidrato de Dodecilguanidina)  
Punto de Inflamación: 35°C / Flash Point 95°F  
UN 2924

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