

PM 31

10182-389

10-14-97

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 14 1997

Zeneca Inc.
1800 Concord Pike
Wilmington, DE. 19850-5457

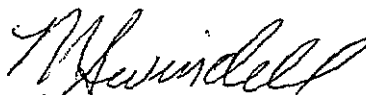
Subject: PARADYME Preservative
EPA Registration No. 10182-389
Notification Per PR-Notice 95-2
Your Notification Dated August 21, 1997

Dear Mr. Burt:

This will acknowledge receipt of your notification to delete the reference to "non-food contact only" submitted under the provisions of FIFRA section 3(c)9. Based on a review of the submitted material, the following comments apply.

The application is acceptable and the notification has been made a part of the records for this file.

Sincerely,



Marshall Swindell
Notification Coordinator
Antimicrobial Program Branch

CONCURRENCES

SYMBOL	7510W						
SURNAME	R. HART						
DATE	9/26/97						



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 10182-389	2. EPA Product Manager V. Noble	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) PARADYME Preservative	PM# 31	
5. Name and Address of Applicant (Include ZIP Code) Zeneca Inc. 1800 Concord Pike Wilmington, DE 19850-5457 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to correct typographical error on draft labeling - delete reference to "non-food contact only" adhesives in the summary.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	
* Certification must be submitted				<input type="checkbox"/> Plastic	
If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container	<input type="checkbox"/> Glass	
				<input type="checkbox"/> Paper	
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Mark E. Burt		Title Regulatory Manager		Telephone No. (Include Area Code) (302) 477-8129	
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment both under applicable law.					6. Date Application Received (Stamped)
2. Signature 		3. Title Regulatory Manager			
4. Typed Name Mark E. Burt		5. Date August 21, 1997			

PARADYMETM Preservative

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE. CAUSES EYE DAMAGE. DO NOT GET IN EYES, ON SKIN OR CLOTHING. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. AVOID CONTACT WITH SKIN OR CLOTHING. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER. AVOID CONTAMINATION OF FOOD.

ENVIRONMENTAL HAZARDS:

THIS PRODUCT IS TOXIC TO FISH. DO NOT DISCHARGE INTO LAKES, STREAMS, PONDS, ESTUARIES, OCEANS OR OTHER WATERS UNLESS IN ACCORDANCE WITH THE REQUIREMENTS OF A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND THE PERMITTING AUTHORITY HAS BEEN NOTIFIED IN WRITING PRIOR TO DISCHARGE. DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT TO SEWER SYSTEMS WITHOUT PREVIOUSLY NOTIFYING THE LOCAL SEWAGE TREATMENT PLANT AUTHORITY. FOR GUIDANCE CONTACT YOUR STATE WATER BOARD OR REGIONAL OFFICE OF THE EPA.

ACTIVE INGREDIENTS:

ZINC 2-PYRIDINETHIOL-2-OXIDE.....	8%
1,2-BENZISOTHAZOLIN-3-ONE.....	12%
INERT INGREDIENTS.....	80%
TOTAL.....	100%

KEEP OUT OF REACH OF CHILDREN.

DANGER

STATEMENT 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 LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.

NOTE TO PHYSICIAN:

POSSIBLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION AND CONVULSION MAY BE NEEDED

SEE ADDITIONAL PRECAUTIONS
ON SIDE PANEL

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. SEE T. I. BULLETIN FOR DIRECTIONS FOR USE.

STORAGE AND DISPOSAL PROHIBITIONS:

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED.

STORAGE:

PROTECT FROM FROST. IF FROZEN, ALLOW TO THAW AND STIR WELL BEFORE USE.

PESTICIDE 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.

CONTAINER DISPOSAL:

TRIPLE RINSE (OR EQUIVALENT). THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR BY OTHER PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES.

MANUFACTURED BY:

ZENECA

EPA REG. NO. 10182-389
EPA EST. NO. 87003-NC-01

CONTENTS: _____ LBS. NET MINIMUM
(APPROX. _____ U.S. GALLONS)

ZENECA Specialties
Wilmington
Delaware 19897 USA
(302) 477-8000
A business unit of ZENECA Inc.

LOT NUMBER:

PRODUCT CODE:
PARA

PARADYME is a trademark of ZENECA Inc.
MADE IN

302-477-8000

ZENECA Biocides

PARADYME® Preservative

SUMMARY.

PARADYME® preservative, an aqueous dispersion of a synergistic blend of 1-2-Benzisothiazolin-3-one and zinc 2-pyridinethiol-1-oxide, is an antibacterial/antifungal preservative for aqueous compositions such as metal working fluids, latex emulsions, paints, water based adhesives, aqueous slurries such as titanium dioxide and clay, and tape joint compounds

Paradyne is registered with the Environmental Protection Agency and has been granted EPA registration No. 10182-389.

GENERAL

Many aqueous industrial compositions can support the growth of a wide range of bacteria and fungi. These organisms can chemically destroy the components of these formulations and render them unusable. High solids formulations are especially prone to fungal contamination and cannot be suitably controlled by bactericides. Paradyne preservative is effective against both types of microbes and will prevent growth of even high concentrations of fungal organisms.

Listed below are the organisms which Paradyne is effective against:

Bacteria

Staphylococcus aureus
Pseudomonas aeruginosa
Pseudomonas fluorescens
Rhodopseudomonas capsulata
Klebsiella pneumoniae
Proteus vulgaris
Serratia marcescens
Salmonella typhi
Bacillus subtilis
Bacillus megaterium
Bacillus cereus
Escherichia coli
Enterobacter cloacae
Streptococcus lactis
Enterococcus faecalis

Fungi

Cladosporium herbarum
Cladosporium resinae
Cercospora nicotianae
Aspergillus niger
Aspergillus terreus
Aspergillus penicilloides
Penicillium notatum
Rhizopus stolonifer

Cylindrocladium scoparium
Phytophthora infestans
Pythium irregularae
Rhizoctonia fragariae
Aureobasidium pullulans
Alternaria radicina
Tricophyton mentagrophytes

Yeasts

Candida albicans
Saccharomyces cerevisiae
Saccharomyces turbidans
Pityrosporum obiculare

PARADYME is an effective preservative against growth of the above microorganisms in the aqueous systems indicated and exhibits:

- a. Effective control of a wide range of bacterial and fungal organisms at economic concentrations.
- b. Long-term storage stability.
- c. Ease of use due to its liquid form and excellent compatibility in most aqueous systems.

PROPERTIES OF PARADYME

Composition: An aqueous dispersion of 1-2-Benzisothiazolin-3-one and zinc 2-pyridinethiol-1-oxide.

Physical Form

and Appearance: Beige slurry

Viscosity (22°C): 1000-2000

pH, 5% (22°C): 6.16 (approx.)

Specific

Gravity (22°C): 1.088 lb/gal (approx.)

DIRECTIONS FOR USE

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

PARADYME is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

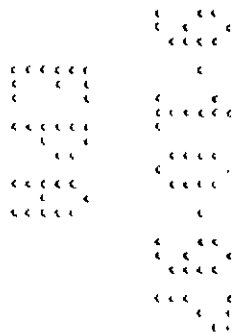
Product	% PARADYME (based on total weight of product)
Latices:	0.025-0.20
Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	

Product	% PARADYME (based on total weight of product)
Metal Working Fluids: Cutting, Grinding and Rolling oils. Soluble oils (metal and engineering industries).	0.025-0.25
Emulsion paint: For in-can preservation	0.01-0.15
Adhesives: Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatins and latex.	0.025-0.30
Aqueous Mineral Slurries: TiO ₂ , Calcium carbonate, Clay	0.025-0.25
Tape joint compounds: wallboard, spackling and drywall joint products	0.05-0.25

GENERAL RECOMMENDATIONS

The concentration required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature, and length of time for which protection is required.

For protection against bacterial and fungal attack, a concentration within the range of 0.025-0.40% Paradyme is almost invariably sufficient.



KEEP OUT OF REACH OF CHILDREN**DANGER****Precautionary Statements****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Corrosive, causes eye damage. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. May cause allergic skin reaction. Harmful if swallowed or absorbed through the skin. Avoid contact with skin or clothing. In the case of contact, immediately flush eyes or skin with plenty of water. Avoid contamination of food.

Statement 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 large quantities of water. Avoid alcohol. Call a physician immediately.

Note to Physician: Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not discharge into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL**Prohibitions**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Storage

Protect from frost. If frozen, allow to thaw and stir well before use.

Pesticide 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.

Container Disposal

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

SAFE HANDLING INFORMATION

Refer to the Material Safety Data Sheet (MSDS) available from Zeneca Biocides for information on the safe use, handling and disposal of this product.

For literature, sample and order information, please contact Customer Services: 800-523-7391.

For technical information, please contact:

Zeneca Biocides
1800 Concord Pike
ARTS Building
Wilmington, DE 19897
(800) 456-3669, extension 2055

FOR YOUR PROTECTION

ZENECA Inc. ("ZENECA") warrants that this product conforms to the chemical description on the label and that it is reasonably fit for the purposes stated on the label when used in accordance with ZENECA's directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to ZENECA, and the buyer or user assumes the risk of any such use. ZENECA DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WAR-

RANTY OF MERCHANTABILITY. (Statements herein, therefore, should not be construed as representations or warranties.)

IN NO EVENT SHALL ZENECA BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ON ANY THEORY WHATSOEVER, INCLUDING NEGLIGENCE, and ZENECA's sole liability and Buyer's and User's exclusive remedy shall be limited to the refund of the purchase price. Statements concerning the use of products or the for-

mulations described therein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

ZENECA Biocides

1800 Concord Pike
Wilmington, DE 19897

A business unit of ZENECA Inc.