

	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460		EPA Reg. Number:  10182-389	Date of Issuance:  MAY 28 1997
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration		Term of Issuance: Conditional	
	(under FIFRA, as amended)		Name of Pesticide Product:  Paradyne Preservative	
Name and Address of Registrant (include ZIP Code):  Zeneca Inc. 1800 Concord Pike Wilmington, DE 19897				
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.				
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.  Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.  This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:  1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.  2. Make the following label changes:  a. Revise the EPA Registration Number to read, "EPA Reg. No. ". 10182-389.  3. Submit two copies of the revised final printed label for the record.  If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.  A stamped copy of the label is enclosed for your records.				
Signature of Approving Official:  <i>Rebecca S. Cool</i>			Date:  MAY 28 1997	

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(Center Panel)

## PARADYME™ Preservative

### Active Ingredients:

Zinc 2-pyridinethiol-2-oxide.....	8%
1,2-Benzisothiazolin-3-one.....	12%
Inert Ingredients:.....	80%
Total	100%

CONTENTS: 45 LBS. NET MINIMUM  
(approx. 5 U.S. gal.)

**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**

EPA Reg. No. 10182-  
EPA Est. No. 10182-NC-002

MANUFACTURED BY:

**ZENECA Biocides**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAY 28 1991

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

10182-389

ZENECA Inc.  
Wilmington, DE 19897  
(302) 886-3000

NET WEIGHT

LBS.  
45

PROXEL is a trademark of ZENECA PLC

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(Left Panel)

Precautionary Statements  
Hazards to Humans and  
Domestic Animals

**DANGER**

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 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 the  
discharge. Do not discharge  
effluent containing this product to  
sewer systems with out previously  
notifying the local sewage treatment  
plant authority. For guidance contact  
your State Water Board or Regional  
Office of the EPA.

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10182-389

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(Right 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.

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# Zeneca Biocides

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in EPA Letter Dated:

## PARADYME® Preservative

MAY 28 1997

### SUMMARY

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

10182-389

Paradyne® 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( non-food contact only ), 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. \_\_\_\_\_

### 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*

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

#### Yeast:

*Candida albicans*  
*Saccharomyces cerevisiae*  
*Saccharomyces turbidans*  
*Pityrosporum obiculare*

#### Fungi

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

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Paradyne 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:

**% PARADYME**  
(based on total weight  
Product of product)

**Latices:**

Polymer latices based on 0.025-0.20 acrylate, butadiene, PVA and styrene for various applications.

**% PARADYME**  
(based on total weight  
Product of product)

**Metal Working Fluids :** 0.025-0.25  
Cutting, Grinding and Rolling oils.  
Soluble oils (metal and engineering industries ).

**Emulsion paint:** 0.01-0.15  
For in-can preservation

**Adhesives:** 0.025-0.30

Carboxymethylcellulose (CMC)  
and derivatives, animal glues,  
adhesives based on gelatins and latex.

**Aqueous Mineral Slurries:** 0.025-0.25  
TiO<sub>2</sub>, Calcium carbonate,  
Clay

**Tape joint compounds** 0.05-0.25  
wallboard, spackling and  
drywall joint products

### 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% Paradyne is almost invariably sufficient.

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10182-389

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## 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 the discharge. Do not discharge effluent containing this product to sewer systems with out previously notifying the local sewerage 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.

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## 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, samples 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

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### 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 WARRANTY 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 formulations

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