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10182-389

7/9/98

P9 125

ACCEPTED

JUL 09 1998

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 10182-389

PARADYME™ 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-PYRIDIMETHIOL-2-OXIDE	8%
1,2-BENZISOTHIAZOLIN-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. 1 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:

EPA REG. NO. 10182-389

EPA EST. NO. 33909-EN-3

CONTENTS:

(APPROX.

LBS. NET MINIMUM

U.S. GALLONS)

ZENECA

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

LOT NUMBER:

PRODUCT CODE:

84198

PARADYME is a trademark of ZENECA Inc.

ZENECA Biocides

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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.

Paradyme 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. Paradyme 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 Paradyme 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 irregulare
Rhizoctonia fragariae
Aureobasidium pullulans
Alternaria radicina
Tricophyton mentagrophytes

Yeasts

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

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

- Effective control of a wide range of bacterial and fungal organisms at economic concentrations.
- Long-term storage stability.
- 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)
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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.	

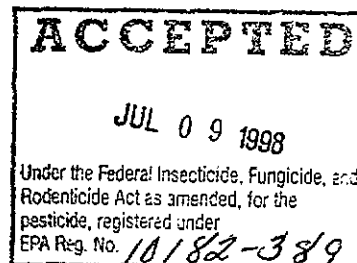
Aqueous Mineral Slurries:	0.025-0.25
TiO ₂ , Calcium carbonate, Clay	

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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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.

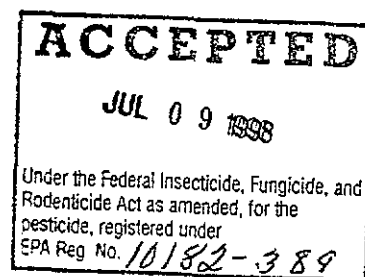
SAFE HANDLING INFORMATION

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



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ISO 9002
FS 22484

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-

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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.

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1800 Concord Pike
Wilmington, DE 19897