

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUL 20 1995

ZENECA Inc.
1800 Concord Pike
Wilmington, DE 19897

Attn.: Mark Burt,
Chemical Regulatory Specialist

Subject: Proxel MX Preservative
EPA Registration No. 10182-359
Submission Dated March 15, 1995

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you comply with the items listed below. The subject of this amendment is to additional claims for the use of this product as a microbiocide in Aqueous Slurries (Kaolin, calcium carbonate and titanium dioxide and pigment slurries) and Industrial Washwater (i.e., recirculated washwater used in the manufacture of industrial aqueous based products).

1. Submit/cite all data required for registration/-reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of final printed labeling revised in accordance with the following instructions before you release the product for shipment.
 - a. Add the heading "Storage and Disposal" immediately above your disposal section. This heading must be the same minimum type size as the front panel child hazard warning statement.
 - b. Include the identifying phrase "Technical Bulletin" on the front panel of your technical bulletin.
 - c. Include your EPA Registration No. on your technical bulletin.

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

The submitted Acute Inhalation Toxicity study was reviewed and found to be acceptable.

If you have any questions concerning this letter please contact Marshall Swindell at 703-305-6908.

Sincerely yours,



Marion Johnson
Product Manager 31
Antimicrobial Programs Branch
Registration Division (7505C)

PROXEL® MX PRESERVATIVE

A preservative for use in the manufacture of aqueous compositions, such as adhesives, tape joint compounds, synthetic metalworking fluids (rolling and cutting fluids).

Active Ingredients:	
Glutaraldehyde	46.5%
1, 2-Benzisothiazolin-3-one	02.8%
Inert Ingredients	50.6%

KEEP OUT OF REACH OF CHILDREN
DANGER

(CENTRAL PANEL)

STATEMENT OF PRACTICAL TREATMENT:

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

IF SWALLOWED: Do not induce vomiting. Do not give anything to drink. Seek medical advice with urgency.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage. See left panel for additional statements.

SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL

ZENECA

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Under
Fungicidal
as a
registered
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**Precautionary Statements
Hazards to Humans and
Domestic Animals**

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 20 1995

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

10182-359

DANGER
KEEP OUT OF REACH OF CHILDREN

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. May cause skin sensitization. Do not get in eyes, on skin, on clothing, avoid breathing vapor. Do not swallow. Wear goggles, protective clothing, and rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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 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 into sewer systems without notifying the sewage treatment plant authority. For guidance, contact your state water board or regional office of the EPA.

STORAGE AND HANDLING: ^{Product is} is corrosive to many commonly used materials of construction, such as steel, galvanized iron, aluminum, tin and zinc. These solutions can be stored and handled in baked phenolic-lined steel, or reinforced epoxy-plastic equipment. Protect from freezing. Store at temperatures less than 80°F. A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON is suitable for gaskets and packing.

EPA Reg. No. 10182-359
EPA Est. No. 10182-NC-002

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Right Panel

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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. See ~~label~~ my technical bulletin for directions for use.

DISPOSAL: Do not contaminate water, food, or food by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or your Environmental Control Agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Metal containers or plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities. Do not cut, or weld on or near metal containers. Plastic containers: May be incinerated if allowed by state and local authorities. If burned, stay out of smoke. Metal containers: Must be incinerated.

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 the 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.

ACCEPTED
with COMMENTS
to EPA Letter Dated:

JUL 20 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-359

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ZENECA Biocides

678

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUL 20 1995

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

PROXEL MX, an aqueous glutaraldehyde solution of
1,2-benzisothiazolin-3-one (BIT), is an efficient preser-
vative for aqueous compositions such as tape joint
compounds, adhesives, synthetic polymer emulsions,
and cutting and rolling fluids.

PROXEL® MX

Preservative

DIRECTIONS FOR USE

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

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

INSERT A

Many aqueous dispersions and solutions can be
seriously impaired during storage and use because of
bacteria and fungi growth.

REPURAIN is an effective preservative against growth of
microbial agents in the aqueous systems listed and
exhibits:

- Effective control of a wide range of organisms at
economic concentrations.
- Ease of use due to its liquid form and good com-
patibility in most aqueous compositions.
- Rapid antimicrobial activity.

% PROXEL MX
(based on total
weight of
product)

Product	
Adhesives/Tape Joint Compounds: Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex	0.025-0.50
Metalworking fluids: Rolling and cutting fluids	0.005-0.30
Synthetic polymer emulsions	0.01-0.35

INSERT B & C →

PROPERTIES OF PROXEL MX

Composition: A solution of 1,2-benzisothiazolin-
3-one (BIT) at 2.9% in aqueous
glutaraldehyde (46.5%).

**Physical Form
and Appearance:** Brown liquid

Viscosity (20°C): 24 centipoise (approx.)

pH, 1.0% (20°C): 4 (approx.)

Density (20°C): 1.14 lb/gal (approx.)

Solubility: Soluble in water at use dilutions

Stability: Stable under all normal storage
conditions. Protect from freezing
and exposure to temperatures
above 80°F.

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 micro-organisms can gain access, the
species involved, pH, temperature, and length of time
for which protection is required.

For protection against bacterial attack, a concentra-
tion within the range 0.005-0.5% **PROXEL MX** is
almost invariably sufficient.

In dilute fluid systems, spoilage is usually controlled
with dosages not greater than 0.1%.

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KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statements

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if inhaled. May be fatal if swallowed. Harmful if absorbed through skin. May cause skin sensitization. Do not get in eyes, on skin, or clothing. Avoid breathing vapor. Do not swallow.

Wear goggles, protective clothing, and rubber gloves.

Wash thoroughly with soap and water after handling.

Remove contaminated clothing and wash before reuse.

Statement of Practical Treatment

IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Get immediate medical attention.

IF ON SKIN: Immediately wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove to fresh air. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical advice with urgency.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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 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 into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

STORAGE AND HANDLING

PROXEL MX is corrosive to many commonly used materials of construction such as steel, galvanized iron, aluminum, tin, and zinc. These solutions can be

stored and handled in baked phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment.

Protect from freezing. Store at temperatures less than 80°F.

A stainless steel centrifugal pump is suggested for transfer service. Spiral wound stainless steel with TEFLON® is suitable for gaskets and packing.

STORAGE AND DISPOSAL

Pesticide Disposal

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

Metal containers or Plastic containers: 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. Do not cut, or weld on or near metal containers.

Plastic containers: may be incinerated, if allowed by state and local authorities. If burned, stay out of smoke.

Metal containers: must not be incinerated.

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
Application Research and Technical Services
Wilmington, Delaware 19897
(800) 822-8215 extension 8428

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 sole remedy shall be limited to the refund of the purchase price. ZENECA's obligation to refund the purchase price shall be conditioned on the use of the product in accordance with the label instructions.

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

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44-6070-C82

with COMMENTS
An EPA Form dated

JUL 20 1995

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

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INSERT A

... aqueous slurries, industrial washwater, ...

INSERT B

Aqueous Slurries:

0.005 - 0.30

Kaolin, calcium carbonate and titanium dioxide and pigment slurries [Do not exceed 0.06% by weight of slurry solids when preserving pigment and filler slurries used in the manufacture of paper and paperboard in contact with food.]

INSERT C

Industrial Washwater:

0.01 - 0.35

For use only in treatment of recirculated washwater used in the manufacture of industrial aqueous based products.

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