

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 11 2001

Mark E. Burt, Ph.D.  
AVECIA BIOCIDES  
1405 Foulk Road,  
P. O. Box 15457  
Wilmington, DE 19850-5457

**Subject: PROXEL BZ PRESERVATIVE**  
**EPA Reg. No. 72674-14**  
**Your Amendment Dated 7/19/2001**

Dear Mr. Burt:

The subject amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, to delete the metal working fluids use, is acceptable with the conditions listed below:

**Conditions**

The label must be revised as follows:

**Front Panel**

1. As stated in prior letters, the quality of the label's front panel is not acceptable for proper electronic imaging. Submit a higher resolution front panel.

2. The "Statement of Practical Treatment" must be revised so that it complies with PR Notice 2001-1.

**Technical Information Bulletin**

1. This bulletin must always travel with the product and front panel because it lists the use directions.

2. The first page of this bulletin lists "metal working fluids", yet the purpose of the amendment is to delete this use. We have "blackened out" this use on the stamped copy.

3. The first page of this bulletin lists "...the above microorganisms...". It is not clear which organisms are being referred to because no list of organisms is given (ie., the former list of organisms was deleted from this label). Re-word as "...bacteria and fungi...".

4. Delete the second redundant set of "Precautionary Statements", "Statement of

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

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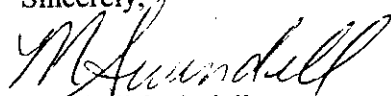
Practical Treatment", "Note to Physician", "Environmental Hazards", and "Storage and Disposal" statements. These are all on the front panel. A pesticide label must only have one set of these required statements. We have "blacked out" these sections on the stamped label. We do not consider this technical bulletin as a stand alone document.

**General Comments**

A stamped copy of the labeling accepted with conditions is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

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

Sincerely,



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

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

# PROXEL<sup>®</sup> BZ 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-1-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 TECHNICAL INFORMATION 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.

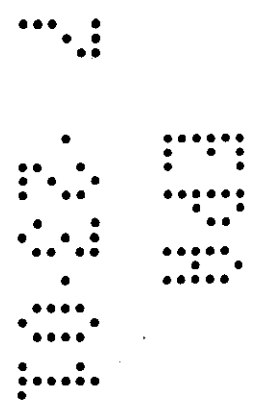
## CONTAINER DISPOSAL:

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.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
OCT 11 2001

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

72674-14



MANUFACTURED BY:

# Avecia

Medical Emergency Information Center - 800-286-7850  
Chemical Emergency Response Center - 800-424-2466

P.O. Box 15457  
Wilmington  
Delaware 19850-5457  
USA  
800-435-8679

REV. DATE: 11/11/99

LOT NUMBER:

PRODUCT CODE:

3 7 7

# Proxel® BZ

## Preservative

### Technical Information Bulletin

#### Summary

PROXEL® BZ 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 [REDACTED] latex emulsions, paints, water based adhesives, aqueous slurries such as titanium dioxide and clay, and tape joint compounds

Proxel BZ is registered with the Environmental Protection Agency and has been granted EPA registration No. 72674-14.

#### 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. Proxel BZ preservative is effective against both types of microbes and will prevent growth of even high concentrations of fungal organisms.

PROXEL BZ 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 PROXEL BZ

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

#### Physical Form

and Appearance: Beige slurry  
Viscosity (25°C): 1000-2000 cps  
pH, 5% (25°C): 6.16 (approx.)  
Specific Gravity (25°C): 1.09 lb/gal (approx.)

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72674-14

### Directions for Use

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

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

## 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% PROXEL BZ is almost invariably sufficient.

<b>Product</b>	<b>% PROXEL BZ</b> (based on total weight of product)
<b>Latices:</b> Polymer latices based on acrylate, butadiene, PVA and styrene for various applications.	0.025-0.20
<b>Emulsion paint:</b> For in-can preservation	0.01-0.15
<b>Adhesives:</b> Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatins and latex.	0.025-0.30
<b>Aqueous Mineral Slurries:</b> TiO <sub>2</sub> , Calcium carbonate, Clay	0.025-0.25
<b>Tape joint compounds:</b> wallboard, spackling and drywall joint products	0.05-0.25
<b>Pigment Dispersions:</b>	0.10-0.40

[illegible]

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72674-14

**Safe Handling Information**

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

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

For more information, visit our website at [www.aveciabiocides.com](http://www.aveciabiocides.com).

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ISO 9002  
FS 22484

PROXEL is a registered trademark of Avecia Inc.

#### FOR YOUR PROTECTION

AVECIA Inc. ("AVECIA") 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 AVECIA'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 AVECIA, and the buyer or user assumes the risk of any such use. AVECIA 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 AVECIA BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, ON ANY THEORY WHATSOEVER, INCLUDING NEGLIGENCE, AND AVECIA'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.

#### Avecia Biocides

1400 Foulk Road  
Wilmington, DE 19850