


72674-1

5-31-2001

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number	Date of Issuance:
		72674-1	MAY 31 2001
		Term of Issuance: Conditional	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration  (under FIFRA, as amended)		Name of Pesticide Product:	
		Proxel TN Preservative	
Name and Address of Registrant (include ZIP Code):  Avecia, Inc. 105 Foulk Road Wilmington, DE 19850			
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 the 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 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. 72674-1".			
Signature of Approving Official: Marshall Swindell, PM 33 Regulatory Management Branch 1 Antimicrobial Division (7510W)		Date:  MAY 31 2001	

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3. As per PR Notice 2001-1 and the Agency's "Label Review Manual", the precautionary statements on your labels must be revised to read as follows:

- a. In the paragraph that begins with the word DANGER, add the following statement:

"Do not breathe vapor or spray mist. Wear a mask or pesticide respirator approved By the National Institute for Occupational Safety and Health".

- b. Revise the Practical Treatment (or First Aid) section to read as follows:

IF IN EYES:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

IF ON SKIN:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

IF INHALED:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment.

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In addition, the following general statement is required to be included with the First Aid statements, preferably, at the end of the statement.

"Have the product container or label with you when calling a poison control center or doctor, or going for treatment".

c. A "Note to Physician" statement is required and must appear close to the Practical Treatment (or First Aid) section to read:

"Probable mucosal damage may contraindicate the use of gastric lavage".

Note: The statement "Remove contaminate clothing and wash clothing before reuse" must not be deleted from the label. The placement of this statement in the Practical Treatment section instead of its usual required placement in the Precautionary Statements is acceptable.

4. Submit two (2) copies of your final printed labeling before you release the product for shipment.

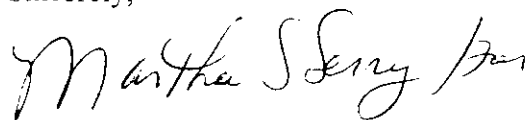
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

The submitted acute inhalation study (MRID #453126-01) to complete the product-specific acute toxicity data for Proxel TN Preservative is acceptable and a copy of the toxicity review is enclosed for your information.

A stamped copy of the label is enclosed for your records.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely,



Marshall Swindell  
Product Manager 33  
Regulatory Management Branch 1  
Antimicrobial Division (7510C)

Enclosure

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(Center Panel)

PROXEL® TN Preservative

A Preservative for Use in the Manufacture of Aqueous Compositions

ACTIVE INGREDIENTS:

1,2-Benzisothiazolin-3-one .....	4.5%
Hexahydro-1,3,5-tris (2-hydroxyethyl)-s-triazine .....	50.5%
INERT INGREDIENTS .....	45%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

STATEMENT OF PRACTICAL TREATMENT:

Wash thoroughly with soap and water after handling. 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.

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SEE ADDITIONAL PRECAUTIONS ON SIDE PANEL

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EPA Reg. No. 72674-  
EPA Est. No. 67003-NC-001

Contents:                      Lbs. Net Minimum  
  
(Approx.                      55 US Gallons)

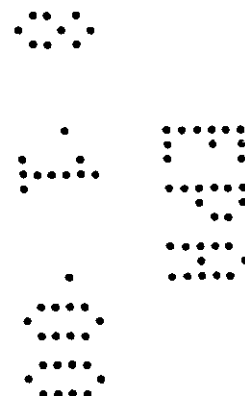
Manufactured by:    Avecia  
                         P.O. Box 15457  
                         Wilmington, Delaware 19850-5457 USA  
  
                         (800) 435-8679

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

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

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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 PROXEL TN 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.

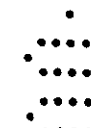
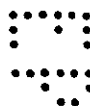
**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

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

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(Left Panel)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
AND DOMESTIC ANIMALS**

**DANGER**

Corrosive, causes eye damage. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed or absorbed through the skin. May be fatal if inhaled. May cause allergic skin reaction. Wear goggles or face shield and rubber gloves when handling.

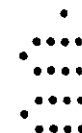
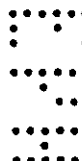
**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a national pollution discharge elimination system (NPDES) permit and the permitting authority 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.

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# ProXel<sup>®</sup> TN

## Preservative

### Technical Information Bulletin

#### Summary

PROXEL<sup>®</sup> TN is an aqueous solution of a synergistic blend of 1,2-benzisothiazolin-3-one together with hexahydro-1,2,5-tris(2-hydroxyethyl-s-triazine. It is an efficient preservative for aqueous compositions such as latex emulsions, paint, oil in water emulsions, adhesives, tape joint compounds, and pigment dispersions.

PROXEL TN is registered with the Environmental Protection Agency and has been granted EPA Registration No. 72674-

#### General

Many aqueous industrial compositions can support the growth of a wide range of microorganisms. These organisms can chemically destroy the components of these formulations and render them unusable. PROXEL TN is effective against a broad spectrum of these common spoilage organisms. Examples of these organisms include the following:

#### Bacteria

*Pseudomonas aeruginosa*  
*Pseudomonas putida*  
*Enterobacter cloacae*  
*Bacillus subtilis*  
*Proteus vulgaris*

#### Yeasts

*Saccharomyces cerevisiae* (turbidans)  
*Rhodotorula rubra*  
*Endomycopsis albicans*

#### Fungi

*Aureobasidium pullulans*  
*Aspergillus niger*  
*Alternaria alternata*  
*Chaetomium globosum*  
*Cladosporium cladosporoides*  
*Penicillium notatum*

#### Properties of PROXEL TN

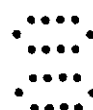
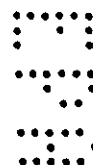
Composition:	A solution of 1,2 benzisothiazolin-3-one in hexahydro-1,2,5-tris(2-hydroxyethyl-s-triazine and water.
Physical Form and Appearance:	Dark brown liquid
Viscosity (25°C):	60 mPa s
Specific Gravity (25°C/25°C):	1.13 (approx)
Reaction pH (25°C):	12.0
Density:	9.4 lb./gal. (approx.)
Initial Boiling Point:	110°C
Solubility:	Soluble in water at use dilutions.
Stability:	Stable under normal conditions of storage down to -10°C. If frozen, allow to thaw before use.

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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.

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

Product	% PROXEL TN (based on total weight of product)
Latexes: Natural and synthetic polymer latices based on acrylate, butadiene, PVA, styrene and other monomers. For use in various applications, e.g., waxes, paint, floor polishes.	0.05-0.20
Paints and stains: For in-can preservation.	0.05-0.20
Oil-in-water emulsions: Metalworking fluids of the soluble oil, semi-synthetic or synthetic type, for use in various applications, eg. cutting, grinding, and rolling fluids. "Spin finish" solutions for use in various applications eg. textiles.	0.025-0.20
Adhesives: Adhesives based on latex, gelatin, animal glues, carboxymethylcellulose (CMC) and derivatives.	0.10-0.20

Product	% PROXEL TN (based on total weight of product)
Tape joint compounds: Wallboard, spackling, and drywall joint products.	0.05-0.30
Aqueous Mineral Slurries: Mineral slurries such as calcium carbonate, kaolin, and titanium dioxide.	0.01-0.20
Inks and Dyes: Water based inks, ink concentrates, and fountain solutions.	0.025-0.15
Pigment Dispersions: Pigment dispersions and pigment cakes.	0.05-0.30
Not for use in preserving aqueous compositions which may come in contact with food.	

### 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.

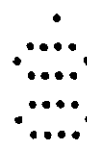
For protection against bacterial and fungal attack, a concentration within the range of 0.01-0.30% PROXEL TN is almost invariably sufficient.

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Keep Out of Reach of Children.

## DANGER

### Precautionary Statements

#### Hazardous to Humans and Domestic Animals

Corrosive, causes eye damage. Do not get in eyes. Avoid contact with skin or clothing. Harmful if swallowed or absorbed through the skin. May be fatal if inhaled. May cause allergic skin reaction. Wear goggles or face shield and rubber gloves when handling.

**Statement of Practical Treatment:** Wash thoroughly with soap and water after handling. 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 effluent containing this product 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 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.

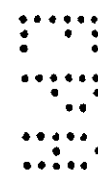
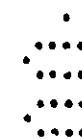
For more information, visit our website at [www.aveciabiocides.com](http://www.aveciabiocides.com).

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PROXEL is a registered trademark of Avecia Inc.



ISO 9002  
FS 22484

#### 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**

1405 Foulk Road  
Wilmington, DE 19850