

72674-1

03-24-2004
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1/6

MAR 24 2004

Avecia Biocides
1405 Foulk Road
P.O. Box 15457
Wilmington, DE 19850-5457

Attention: Mark E. Burk
Regulatory Manager

Subject: Proxel TN Preservative
EPA Registration No. 72674-1
Amendment Dated December 19, 2003

The amendment, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

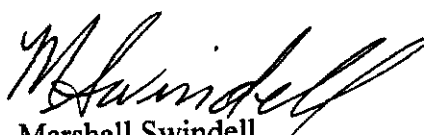
- To add Directions For Use for Specialty Products and Household Products to the product labeling

General Comments

A stamped copy of the accepted labeling is enclosed for your record.

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
Antimicrobials Division (7510C)

Enclosure

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

EPA Form 1320-1A (1/90)

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U.S. Government Printing Office: 1992 - 620-988/4057

72674-1

PROXEL[®] TN Preservative

A PRESERVATIVE FOR USE IN THE MANUFACTURE OF LATICES, PAINTS AND STAINS, OIL-IN-WATER EMULSIONS, ADHESIVES, TAPE JOINT COMPOUNDS, AQUEOUS MINERAL SLURRIES, INK AND DYES, AND PIGMENT DISPERSIONS.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS 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. DO NOT BREATHE VAPOR OR SPRAY MIST. WEAR A MASK OR PESTICIDE RESPIRATOR APPROVED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH. 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 CHARGE 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.

EPA REG. NO. 72674-1
EPA EST. NO. 87003-NC-001
MANUFACTURED FOR:

ACTIVE INGREDIENTS:
1,2-BENZISOTHIAZOLIN-3-ONE.....04.5%
HEXAHYDRO-1,3,5-TRIS(2-HYDROXYETHYL)-
S-TRIAZINE.....50.5%
INERT INGREDIENTS.....45.0%
TOTAL.....100.0%

KEEP OUT OF REACH OF CHILDREN.

DANGER

FIRST AID

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 EYE. 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 DO SO BY A POISON CONTROL CENTER OR DOCTOR. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF ON SKIN OR CLOTHING: REMOVE CONTAMINATED CLOTHING AND WASH CLOTHING BEFORE REUSE. RINSE SKIN IMMEDIATELY WITH PLENTY OF WATER FOR 15-20 MINUTES. CALL A POISON CONTROL CENTER OR DOCTOR FOR TREATMENT ADVICE.

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 ADVICE.

MEDICAL EMERGENCY INFORMATION CENTER 1-800-286-7850

HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENT.

NOTE TO PHYSICIAN
PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

SEE ADDITIONAL PRECAUTIONARY
STATEMENTS 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 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, OR PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL, OR BY OTHER PROCEDURES APPROVED BY STATE AND LOCAL AUTHORITIES.

FOR INFORMATION ON SPILLS,
CALL 1-800-424-2466

CONTENTS:	LBS. NET MINIMUM
(APPROX)	U.S. GALLONS)

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:
03/13/02

LOT NUMBER:

PRODUCT CODE:

84260

PROXEL is a trademark of Avecia Inc.

ACCEPTED

MAR 24 2004

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 72674-1

ProXel[®] TN

Preservative

Summary

PROXEL[®] TN is an aqueous solution of a synergistic blend of 1,2-benzisothiazolin-3-one together with hexahydro-1,3,5-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. 72674-1.

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
Clostridium vulgaris

Technical Information Bulletin

Yeasts

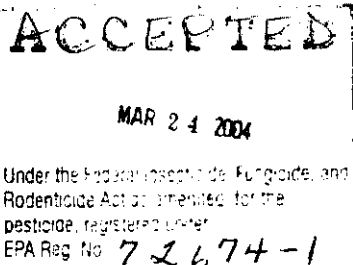
Saccharomyces cerevisiae (turbidans)
Rhodotorula rubra
Endomycopsis albicans

Fungi

Aureobasidium pullulans
Aspergillus niger
Alternaria alternata
Chaetomium globosum
Cladosporium cladosporioides
Penicillium notatum

Properties of PROXEL TN

Composition:	A solution of 1,2 benzisothiazolin-3-one in hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine and water.
Physical Form and Appearance:	Dark brown liquid
Viscosity (25°C):	60 cps
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.



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)
Latices: Natural and synthetic polymer latices based on acrylate, butadiene, PVA, styrene and other monomers. For use in various applications, e.g., waxes, paint, or 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, carboxy-thylcellulose (CMC) and derivatives.	0.10-0.20

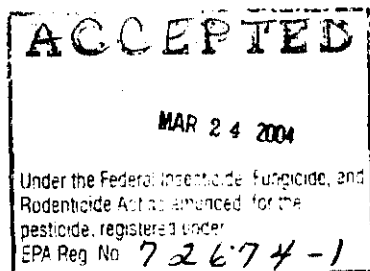
Product	% PROXEL TN (based on total weight of product)
Tape joint compounds: Wallboard, spackling, and drywall joint products.	0.05-0.30
Aqueous Mineral Slurries: Mineral slurries such as calcium carbonate, kaolin, and titanium dioxide.	0.01-0.20
Inks and Dyes: Water based inks, ink concentrates, and fountain solutions.	0.025-0.15
Pigment Dispersions: Pigment dispersions and pigment cakes.	0.05-0.30
Specialty Products and Household Products	
Laundry Additives: Liquid laundry detergents, fabric softeners, stain removers.	0.05-0.30
Home Cleaning Products: Floor cleaners, floor waxes & polishes, hard surface cleaners, window cleaners, dish detergents.	0.05-0.30
Car Care Products: Car Washing Products - Surfactant/detergent solutions, silicone emulsions.	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. Do not breathe vapor or spray mist. Wear a mask or pesticide respirator approved by the National Institute for Occupational Safety and Health. May cause allergic skin reaction. Wear goggles or face shield and rubber gloves when handling.

First Aid:

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 eye. 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. Do not give anything by mouth to an unconscious person.

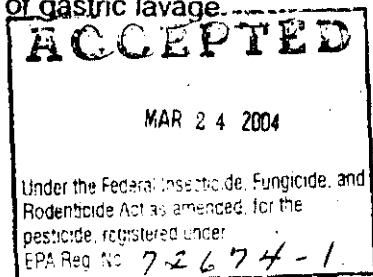
If on Skin: Remove contaminated clothing and wash clothing before re-use. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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 advice.

**Medical Emergency Information Center
1-800-286-7850**

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

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



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.

Pesticide 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.

For information on spills, call 1-800-424-2466.

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.

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MAR 24 2004

Under the Federal Insecticide, Fungicide, and
Rodenticide Act as amended, for the
pesticide, registered under
EPA Reg. No. 72674-1



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

1405 Foulk Road
Wilmington, DE 19850