

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

10182-398

DATE OF ISSUANCE

JUN 1 1995

TERM OF ISSUANCE

NOTICE OF PESTICIDE:

☒ REGISTRATION
☐ REREGERISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME OF PESTICIDE PRODUCT

Proxel BD 20

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Zeneca AG Products
P.O. Box 751
1800 Concord Pike
Wilmington, DE 19897

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 this 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 you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 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 labeling changes listed below before you release the product for shipment:

- a. Add the phrase "EPA Registration No. 10182-398"
- b. On the product label change "Causes eye damage." to read "Causes eye and skin damage."
- c. Change "See T.I. Bulletin..." to read "See Technical Information Bulletin..."
- d. Include the heading "Technical Information Bulletin" and the appropriate reference number on the bulletin.
- e. On the bulletin change "Causes eye damage." to read "Causes eye and skin damage."

☒ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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.

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

Sincerely,



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

Enclosures

3 9 9

(Center Panel)

PROXEL® BD 20

Industrial Microbiostat

For Industrial Use Only as a Microbiostat Preservative for Aqueous Compositions such as Oil in Water Emulsions, Latices, Emulsion Paints, Water Based Adhesives, Casein/Rosin Dispersions, Textile Spin-finish Solutions, Pesticide Formulations, Aqueous Slurries, Titanium Dioxide Slurries, Tape Joint Compound, Leather Processing Solutions, and for the Preservation of Fresh Animal Hides and Skins.

Active Ingredient:

1,2-Benzisothiazolin-3-one.....19.3%

Inert Ingredients.....80.7%

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, this pesticide
registered under EPA Reg. No.
10182-398

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

EPA Reg. No. 10182

EPA Est. No. 10182-NC-002

MANUFACTURED BY:

ZENECA

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

ZENECA Biocides
Wilmington
Delaware 19897 USA
(302) 886-3000
A business unit of Zeneca Inc.

LOT NUMBER

PRODUCT CODE:

PROXEL is a trademark of ZENECA Inc.
MADE IN USA

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(Left Panel)

**Precautionary Statements
Hazards to Humans and
Domestic Animals
DANGER**

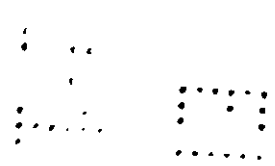
Corrosive. Causes eye damage.
May cause allergic skin reactions.
Do not get in eyes. Wear goggles
or face shield and rubber gloves
when handling. Harmful if
swallowed or absorbed through
the skin. Avoid contact with skin
or clothing.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-398

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. Do
not contaminate water by cleaning
of equipment or disposal of wastes.



(Right Panel)

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-398

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. See T.I. Bulletin xx-xx-xx 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.

ZENECA Bioicides

6 7 9
ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10182-398

PROXEL® BD 20 Preservative

SUMMARY

PROXEL® BD 20, an aqueous solution of 1,2 benzisothiazolin-3-one, is an efficient microbiostat preservative for aqueous compositions such as oil in water emulsions, latices, emulsion paints, water based adhesives, casein and rosin dispersions, textile spinfinish solutions, pesticide formulations, aqueous slurries, titanium dioxide slurries, tape joint compounds, leather processing solutions, and for the preservation of fresh animal hides and skins.

PROXEL BD 20 is registered with the Environmental Protection Agency and has been granted EPA Registration No. 10182-. Its components are also cleared by EPA for use under 40 CFR 180.1001 (d) for agricultural use.

GENERAL

Many aqueous dispersions and emulsions can be seriously impaired during storage and use due to the growth in them of bacteria and fungi such as:

<i>Staphylococcus aureus</i>	<i>Pseudomonas</i>
<i>Salmonella typhosa</i>	<i>aeruginosa</i>
<i>Klebsiella pneumoniae</i>	<i>Rhizopus stolonifer</i>
<i>Bacillus subtilis</i>	<i>Aspergillus penicilloides</i>
<i>Bacillus megaterium</i>	<i>Aspergillus niger</i>
<i>Escherichia coli</i>	<i>Alternaria radicina</i>
<i>Proteus vulgaris</i>	<i>Tricophyton</i>
	<i>mentagrophytes</i>

PROXEL BD 20 is an effective preservative against growth of the above microbial agents in the aqueous systems listed and exhibits:

- Effective control of a wide range of organisms at economic concentrations.
- Long-term storage stability.
- Ease of use due to its liquid form and good compatibility in most aqueous compositions.

PROPERTIES OF PROXEL

Composition: An aqueous dispersion at 1,2 benzisothiazolin-3-one at 19.3% (range 18.8-19.8) in very fine particle form.

Physical Form

and Appearance: Fawn-colored, dispersion or

Viscosity (25°C)

Brookfield: 2000 (approx)

Specific Gravity

(25°C/25°C): 1.13 (approx)

pH, (25°C): 7.0 (approx)

Density (25°C): 9.4 lbs./gal (approx)

Initial Boiling

Point: 100°C

Solubility: Soluble in water at use dilutions

Stability: Stable under all normal storage conditions. Maintain the pH above approximately 9. The active agent is heat stable and non-volatile. Protect from frost.

DIRECTIONS FOR USE

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

PROXEL BD 20 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 BD 20 (based on total weight of product)
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Latices:	0.05-0.25
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Polymer latices based on acrylate, butadiene, PVA and styrene for various applications, e.g., wax, floor polishes. Synthetic/rubber latices.

Oil-in-water emulsions:	0.05-0.25
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"Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils (metal and engineering industries).

Product	% PROXEL BD 20 (based on total weight of product)
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Emulsion paint:	0.05-0.25
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For preservative in the can.

Adhesives:	0.05-0.25
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Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.

Paper coating compositions:	0.05-0.25
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Rosin dispersions. Starch and casein based products.

Pesticide formulations:	0.10-0.50
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For product preservation. For ultimate use - dilution protection.

ACCEPTED
with COMMENTS
by EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10152-395

PROXEL BD 20 is exempt from tolerance under 40CFR 180.1001(d); materials exempted from the requirements of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only. Based on the current 180.1001(d) limit of 0.1% BIT in formulations, use levels up to 0.5% (5000 ppm) PROXEL BD 20 are allowed.

Product	% PROXEL BD 20 (based on total weight of product)
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Aqueous Mineral Slurries:	.04-0.25
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Tape joint compound:	.08-0.25
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PRESERVATION OF FRESH ANIMAL HIDES AND SKINS

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 13 fluid ounces to 2.5 gallons (1.0-24 lbs.) of PROXEL BD 20 per 1000 pounds of hides or skins. Add the appropriate quantity of PROXEL BD 20 to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.

LEATHER PROCESSING SOLUTIONS

Use PROXEL BD 20 at levels of 0.05-0.25% for the preservation of leather processing solutions.

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 concentration within the range 0.02-0.35% PROXEL BD 20 is almost invariably sufficient

The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.25%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.65%.

5 8 9

KEEP OUT OF REACH OF CHILDREN

DANGER

Precautionary Statements

**HAZARDS TO HUMANS AND
DOMESTIC ANIMALS**

Corrosive. Causes eye damage. May cause allergic skin reaction. Do not get in eyes. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed or absorbed through the skin. 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: Probably mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

ENVIRONMENTAL HAZARDS

CAUTION: 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. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply in marine and estuarine oil fields.

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 the pesticide residue remaining in the container 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, samples and order information, please contact Customer Services: 800-523-7391.

For technical information, please contact Application Research and Technical Services: 302-886-8428.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10152-395

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
10132-398

PROXEL is a registered trademark of ZENECA Ltd.

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
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.

ZENECA Biocides
1800 Concord Pike
Wilmington, DE 19897

A business unit of ZENECA Inc.

