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

10182-405 TERM OF ISSUANCE

PA REGISTRATION NO.

**JUN 1 199**5

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NOTICE OF PESTICIDE: REGISTRATION REREGISTRATION

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

NAME OF PESTICIDE PRODUCT

Proxel XL 2

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 basic 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:

- 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. 10182-405"
  - 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.".

SIGNATURE OF APPROVING OFFICIAL

- 3. Submit a Vapor Pressure study (Product Chemistry Guideline No. 63-9). Also data for Storage and Stability should be developed under ambient warehouse conditions and submited. These data must be submitted within fourteen months after the date of this notice.
- 4. 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

#### (Center Panel)

# PROXEL® XL 2

#### 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 Slurri's, Titanium Dioxide Slurries, Tape Joint Compound, Leather Processing Solutions, and for the Preservation of Fresh Animal Hides and Skins.

> 1,2-Benzisothiazolin-3-one......9% Inert Ingredients.......91%

Active Ingredient:

#### 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 circulators shock, respiratory depression and convulsion may be needed

> SEE AUDITIONAL PRECAUTIONS ON SIDE PANEL

EPA Reg No 10182 EPA Est No 67003-NC-01

CONTENTS:

LBS. NET MINIMUM

(APPROX.

U.S. GALLONS)

MANUFACTURED BY:

ZENECA

ACCEPTED

with COMMENTS

in EPA Letter Dated

Under the Federal Insecticide,

Fungicide, and Rodenticide Act

es amended, for the pesticide

registered under EPA Reg. No.

10/82-405

JUN

1 1995

ZENECA Biocides

Wilmington

Delaware 19897 USA

(302) 886-3000

A business unit of Zeneca Inc. . .

TOT NUMBER

RODUCT CODE

PROXEL is a trademark of ZENELA Inc. AZU ZI KINAM

(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 inhaled, swallowed or absorbed through the skin. Avoid contact with skin or clothing.

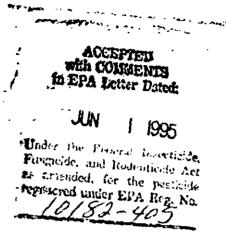
**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority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

ACCEPTED
with COLINENTS
in EPA Letter Dated:

JUN 1 1995

Under the Federal Intertalle, Fungicile, and Rodenticine Act as amended, for the perticular registered under EPA Reg. No.

#### (Right Panel)



#### **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 prohibitied.

STORAGE - Protect from frost 11 frozen, allow to thaw and sur well before use.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray muxture, 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 ruse (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 Eiocides

# Market State of the State of th

# PROXEL® XL 2 Preservative

#### **SUMMARY**

PROXEL® XL 2, 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 XL 2 is registered with the Environmental Protection Agency and has been granted EPA Registration No.

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:

Staphylococcus aureus Salmonella typhosa Klebsiella pneumoniae Bacillus subtilis Bacillis megaterium Escherichia coli Proteus vulgarus Pseudomonas
aeruginosa
Rhizopus stolonifer
Aspergillus pencilloides
Aspergillus niger
Alternaria radicina
Tricophyton
mentagrophytes

PROXEL XL 2 is an effective preservative against growth of the above microbial agents in the aqueous systems listed and exhibits:

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

#### PROPERTIES OF PROXEL XL 2

Composition: A solution of 1,2 benzisothiazolin-3-one at 9% in propylene glycol and water.

Physical Form

and Appearance: Brown liquid Viscosity (10/25°C) 15/7

Brookfield: 500 centipoise (approx.)

Specific Gravity

(25°C/25°C): 1.08 (approx.) pH, 10% (25°C): 13.5 (approx.) Density (25°C): 9.5 lb/gal (approx)

Initial Boiling Point: 106°C

Solubility: Soluble in water at use

dilutions

Stability: Stable under all normal storage conditions down to -10°C. If frozen, allow to thaw before use. Maintain the pH above approximately 4. The active agent is heat stable and non-volatile.

#### **DIRECTIONS FOR USE**

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

PROXEL XL 2 is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

% PROXEL XL 2 (based on total

**Product** 

weight of product)

Latices:

0.10-0.30

Polymer latices based on acrylate, butadiene, PVA and styrene for various applications, e.g., wax, floor polishes.

Synthetic/rubber latices.

Oil-in-water emulsions:

0.10-0.36

"Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils (metal and engineering industries).

\*We suggest that the addition to everal-working fluid concentrates of PROXEL XL 2 should be limited to 3.% maximum. This will give a maximum recommended use level of 0.30% PROXEL XL 2 in a 10.1 dilution of the concentrate and reduce the possibility of skin sensitization. Do not use in metal-working fluids in California.

% PROXEL XL 2 (based on total weight of product)

**Product** 

Emulsion paint: 0.

For preservative in the can.

0.10-0.30

Adhesives:

0.10-0.50

Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.

Paper coating compositions:

Q.10-0.30

Rosin dispersions.

Starch and casein based

products.

Pesticide formulations:

-0.10**,4**).

For product preservation For ultimate use - dilution

protection.

(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 1.0% (10000 ppm) PROXEL XL 2 are allowed.

\*\*PROXEL XL 2\*\*
(based on total weight of product)

accordance with good agricultural practice as inert

PROXEL XL 2 is exempt from tolerance under 40CFR 180.1001(d); materials exempted from the

requirements of a tolerance when used in

Aqueous Mineral Slurries:

0.08-0.25

Tape joint compound:

0.16-0.50

## PRESERVATION OF FRESH ANIMAL HIDES AND SKINS

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 26 fluid ounces to 2.5 gallons (1.0-24 lbs.) of PROXEL XL 2 per 1000 pounds of hides or skins. Add the appropriate quantity of PROXEL XL 2 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 XL 2 at levels of 0.05-0.4% 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 0.04-0.70%, PROXEL XL 2 is almost invariably sufficient.

The control of mold growth, particularly on paste products of high solids content, may occasionally charged dosages above 0.50%.

In filute fluid systems, spoilage is usually controlled with dosages not greater than 0.18%

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#### KEEP OUT OF REACH OF CHILDREN

# DANGER Precautionary Statements

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 inhaled, 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: Possible mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

#### **ENVIRONMENTAL HAZARDS**

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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 ci wastes.

#### 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

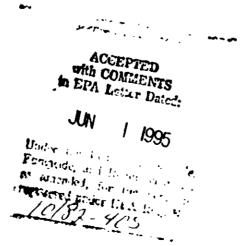
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### SAFE HANDLING INFORMATION

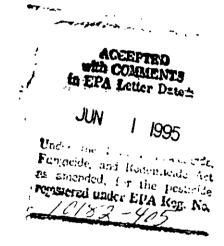
Refer to the Material Safety Data Sheet (MSDS) available from ZENECA Biocides for information on the safe use, handling and disposal of this product.

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.



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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

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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.

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A business unit of ZENECA In-