

PM 31

10182-405

Page 1 of 9

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS 767) WASHINGTON, DC 20460  <b>NOTICE OF PESTICIDE:</b> <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide,          and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. <b>10182-405</b>	DATE OF ISSUANCE <b>JUN 1 1995</b>
	TERM OF ISSUANCE  	
NAME OF PESTICIDE PRODUCT <b>Proxel XL 2</b>		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)  <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: 80%;"> <b>Zeneca AG Products</b>  <b>P.O. Box 751</b>  <b>1800 Concord Pike</b>  <b>Wilmington, DE 19897</b> </div>		
<p><b>NOTE:</b> 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.</p>		
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>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.</p> <p><b>This product is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:</b></p> <ol style="list-style-type: none"> <li>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.</li> <li>2. Make the labeling changes listed below before you release the product for shipment:             <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 10182-405"</li> <li>b. On the product label change "Causes eye damage." to read "Causes eye and skin damage."</li> <li>c. Change "See T.I. Bulletin..." to read "See Technical Information Bulletin..."</li> <li>d. Include the heading "Technical Information Bulletin" and the appropriate reference number on the bulletin.</li> <li>e. On the bulletin change "Causes eye damage." to read "Causes eye and skin damage."</li> </ol> </li> </ol> <p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
SIGNATURE OF APPROVING OFFICIAL _____ DATE _____		

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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 submitted. 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

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(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 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.....9%  
Inert Ingredients.....91%

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.

10182-405

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 67003-NC-01

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

(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 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.  
10182-405

(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.

10182-405

#### 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 Biocides

6 7 9  
ACCEPTED  
With COMMENTS  
by EPA Later Date  
JUN 1 1995  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended for the pesticide  
registered under EPA Reg. No.  
10152-405

## 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:

<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 XL 2 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 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:

Product	% PROXEL XL 2 (based on total weight of product)
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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 metal-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.

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

Emulsion paint: 0.10-0.30

For preservative in the can.

Adhesives: 0.10-0.50

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

Paper coating compositions: 0.10-0.30

Rosin dispersions.  
Starch and casein based products.

Pesticide formulations: 0.10-0.50

For product preservation  
For ultimate use - dilution protection.

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

Product	% PROXEL XL 2 (based on total weight of product)
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 demand dosages above 0.50%.

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

ACCEPTED  
with COMMENTS  
by EPA Letter dated  
JUN 1 1995  
Under the Federal Insecticide, Fungicide, and Rodenticide Act  
registered under EPA Reg. No. 161-22-445

## 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

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.

## 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 purpose of receiving Federal EPA approval  
10/82-405



ACCEPTED  
with COMMENTS  
to EPA Letter Data  
JUN 1 1995  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
10182-405

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.