

10182-30

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APR 17 1989

ICI Americas, Inc.
Concord Pike & New Murphy Road
Wilmington, DE 19897

Attention: Bruce N. Feldberg

Gentlemen:

Subject: Proxel[®] GXL
EPA Registration No. 10182-30
Your Application Dated June 20, 1988
EPA Received Date June 23, 1988

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Rodenticide, and Fungicide Act (FIFRA), is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling.
 - a. The statement "Hazards to Humans and Domestic Animals" must be placed beneath the "Precautionary Statements" heading.
 - b. Delete the colon (:) from the signal word "Danger."
 - c. Change the "First Aid" heading to read:

Statement of Practical Treatment
 - d. Delete the words "General Classification."
 - e. Changes made to the label also apply to the Product Information Sheet.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

54715:I:DeLaney:LL-18:KENCO:4/7/89:5/18/89:AS:VO:AS

CONCURRENCES

SYMBOL						
SURNAME						
DATE						

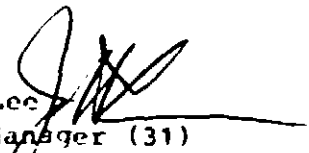
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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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

If you have any questions concerning this letter, please contact Martha DeLaney at (703) 557-6982.

Sincerely yours,


John H. Lee
Product Manager (31)
Antimicrobial Program Branch
Registration Division (H7504C)

Enclosure

PROXEL® GXL

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 28 1989

AMENDMENT INSERTS

- (1) Pesticide Formulations, Aqueous Slurries, Titanium Dioxide, Tape Joint Compound, Leather Processing Solutions, and preservation of Fresh Animal Hides and Skins.

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

10182-30

- (2) 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.

- (3) 0.035

- (4)
- | <u>Product</u> | <u>% PROXEL GXL (based on total weight of product)</u> |
|---------------------------|--|
| Aqueous slurries | 0.04 - 0.125 |
| Titanium dioxide slurries | 0.025 - 0.20 |
| Tape joint compound | 0.08 - 0.20 |

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 GXL per 1000 pounds of hides or skins. Add the appropriate quantity of PROXEL GXL 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.

PROXEL GXL

Industrial Microbiostat

For industrial use only as a microbiostat preservative for aqueous compositions such as Oil in Water Emulsions, Latexes, Emulsion Paints, Water Based Adhesives, Casein/Rosin Dispersions, and Textile Spin-Finish Solutions, and pesticide formulations

Active Ingredient

1,2 benzisothiazolin-3-one 17%

Inert Ingredients 83%

Contents: 55 lbs. net minimum (8 gal.)

E.P.A. Reg. No. 10182-30

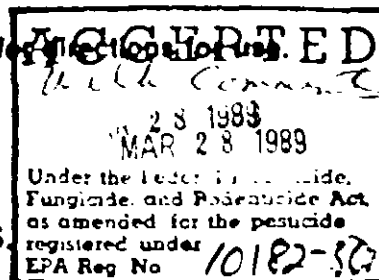
Est. Reg. No. 33909-EN-3

See T.I. Bulletin Z10-13 for directions for use.

KEEP OUT OF REACH OF CHILDREN

DANGER:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS



PRECAUTIONARY STATEMENTS.

Causes severe eye and skin damage. May cause allergic skin reaction. Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food.

FIRST AID: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eye contact, call physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call physician immediately.

NOTE TO PHYSICIAN: Probable 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 into lakes, streams, ponds or public waters unless in accordance with an NPDES permit. For guidance contact your 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.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. General classification. See attached T.I. Bulletin Z10-13 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, spray mixture, or rinse that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

CONTAINER DISPOSAL—(a) Reseal container and offer for reconditioning, or (b) Triple rinse (or equivalent) and offer for recycling, reconditioning, or disposal in approved landfill, or bury in a safe place.

SOLD BY:

BEST AVAILABLE COPY



ICI Americas Inc.

WILMINGTON, DE 19897
(302) 575 - 3000

Contents Manufactured in Great Britain

PROXEL is a trademark of Imperial Chemical Industries LTD.

NET WEIGHT

LBS

KILOS

LOT NUMBER

U.K. 2711

LEATHER PROCESSING SOLUTIONS:

Use PROXEL GXL at levels of 0.025-0.2% for the preservation of leather processing solutions.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAR 28 1989

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

10182-30

Z10-13

PROXEL® GXL

A LIQUID PRESERVATIVE FOR AQUEOUS SYSTEMS

SUMMARY

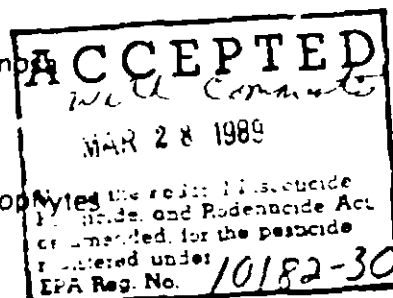
PROXEL GXL an aqueous solution of 1, 2 benzisothiazolin-3-one, is an efficient microbiostat preservative for aqueous compositions such as oil in water emulsions, latices, emulsion paints, water based adhesives, casein and rosin dispersions, textile spin-finish solutions ~~and pesticide formulations~~ ^(and)

PROXEL GXL is registered with the Environmental Protection Agency and has been granted EPA Registration No 10182-30. It's 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	Pseudomonas aeruginosa
Salmonella typhosa	Rhizopus nigricans
Aerobacter aerogenes	Aspergillus glaucus
Bacillus subtilis	Aspergillus niger
Bacillus megaterium	Tricophyton mentagrophytes
Escherichia coli	Alternaria radicina
Proteus vulgaris	



PROXEL GXL is an effective preservative against growth of the above microbial agents in the aqueous systems listed and illustrates

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

PROPERTIES OF PROXEL GXL

Composition	Essentially an aqueous solution of dipropylene glycol and 1,2 benzisothiazolin-3-one
Physical Form and Appearance	Clear or faintly turbid dark brown-colored liquid
Viscosity (25°C)	350 centipoise
Specific Gravity (20°C)	1.13 (typical value)
pH	12.0 (minimum)
Solubility	Miscible with water in all proportions
Stability	Dilute aqueous solutions are stable in the presence of electrolytes at pH down to approximately 4.5

PROXEL is a registered trademark of Imperial Chemical Industries Limited

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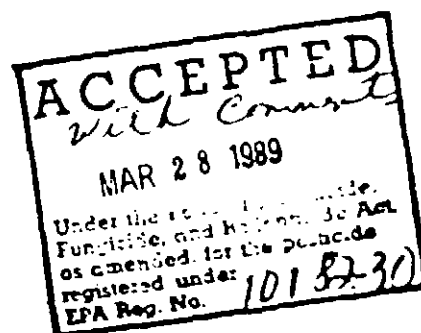
DIRECTIONS FOR USE

GENERAL CLASSIFICATION

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

PROXEL GXL 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 GXL (based on total weight of product)
Latices Polymer latices based on acrylate, butadiene, PVA, styrene, etc. for various applications, e.g., wax, floor polishes, etc. Synthetic/rubber latices	0.04 0.09 (3)
Oil-in-water emulsions "Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils* (metal and engineering industries)	0.04-0.18
*We suggest formulator limit the addition of PROXEL GXL to 0.9% maximum in metal-working fluid concentrates. This will give a maximum recommended use level of 0.09% PROXEL GXL in a 10:1 dilution of the concentrate and reduce the possibility of skin sensitization.	
Emulsion paint For preservation in the can	0.04-0.26
Adhesives Carboxy methyl cellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex	0.02-0.09
Paper coating compositions Rosin dispersions Starch and casein based products	0.03-0.09
Pesticide formulations: For product preservation For ultimate use - dilution protection	0.05-0.5%



PROXEL GXL is exempt from tolerance under 40 CFR 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 GXL are allowed.

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 GXL is almost invariably sufficient.

The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.35%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%.

A simple method of determining the effective dosage rate is to prepare samples of the product containing varying concentrations of PROXEL GXL e.g., 0.02, 0.04, 0.06 and 0.15%. These can then be stored at approx. 25°C for a period of time and compared with a control sample of product containing no preservative stored under similar conditions.

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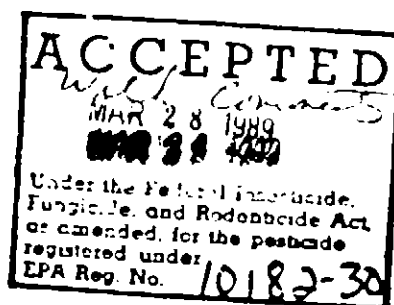
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FOR YOUR PROTECTION

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