

102-3

PM21

107

MAR 28 1989

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

Attention: Bruce N. Feldberg

Gentlemen:

Subject: Proxel<sup>®</sup> CRL  
EPA Registration No. 10182-3  
Your Application Dated June 20, 1988  
EPA Received Date June 27, 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 child hazard warning statement must be placed directly above the signal word "DANGER."
- b. Delete the colon (:) from the signal word Danger.
- c. Revise "Causes eye and skin burns" to read "Causes severe eye and skin damage."
- d. Change the "First Aid" heading to read:

Statement of Practical Treatment

- e. Changes made to the label also apply to the Technical Information Bulletin.
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							

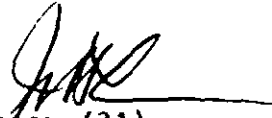
-2-

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® CRL

AMENDMENT INSERTS

- (1) Textile Spin-Finish Solutions, Aqueous Slurries, Titanium Dioxide Slurries, and Tape Joint Compound.

(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) 0.12

(4) <u>Product</u>	<u>% PROXEL CRL (based on total weight of product)</u>
Aqueous slurries	0.025 - 0.075
Tape joint compound	0.05 - 0.15
Titanium dioxide slurries	0.015 - 0.13

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.

10182-3

# PROXEL CRL

## 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, and Textile Spin-Finish Solutions.

**Active Ingredient**

1,2-Benzisothiazolin-3-one ..... 30%

Inert Ingredients ..... 70%

Contents: 440.9 lbs. net minimum (200 kg.)  
(55 Gal.)

E.P.A. Reg. No. 10182-3

Est. Reg. No. 33909-EN-3

See T. I. Bulletin Z10-4 for directions for use.

**DANGER: KEEP OUT OF REACH OF CHILDREN.**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

Corrosive. Causes eye and skin burns. Harmful or fatal if swallowed. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid breathing mist. Use with forced ventilation. Wash thoroughly after handling. Avoid contamination of food or feed.

**FIRST AID:** 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, immediately drink one or two glasses of water and call a physician. DO NOT induce vomiting. Avoid drinking alcohol.

**NOTE TO PHYSICIAN:** If ingested, probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

#### ENVIRONMENTAL HAZARDS

This pesticide 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. In case of spill or leak - Flush away with water to a self-contained sewer or soak up with sand, earth, or synthetic absorbent and remove to chemical waste area where the material can be disposed of as a solid waste in accordance with state and local pollution regulations.

#### STORAGE AND DISPOSAL

**PROHIBITIONS**—Do not contaminate water, food, or feed by storage or disposal.

**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 supply.

**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.

**GENERAL**—Consult Federal, state or local disposal authorities for approved alternative procedures.

SOLD BY



ICI Americas Inc.

ACCEPTED

MAR 28 1989

Wilmington  
DE 19897  
(302) 575-3000

NET WEIGHT

LBS

KILOS

LOT NUMBER

U.K. 275

BEST AVAILABLE COPY



ICI Americas Inc.

Z10-4

## PROXEL® CRL A LIQUID PRESERVATIVE FOR AQUEOUS SYSTEMS

### SUMMARY

PROXEL CRL, 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, ~~and textile spin-finish solutions.~~

PROXEL CRL is registered with the Environmental Protection Agency and has been granted EPA Registration No. 10182-3

### 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 megatherium	Tricophyton mentagrophytes
Escherichia coli	Alternaria radicina
Proteus vulgaris	

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

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

### PROPERTIES OF PROXEL CRL

Composition. Essentially an aqueous solution of an amine and 1,2 benzisothiazolin-3-one.

Physical Form

and Appearance Clear or faintly turbid dark brown-colored liquid

Viscosity (25°C) 15 centipoise (typical value)

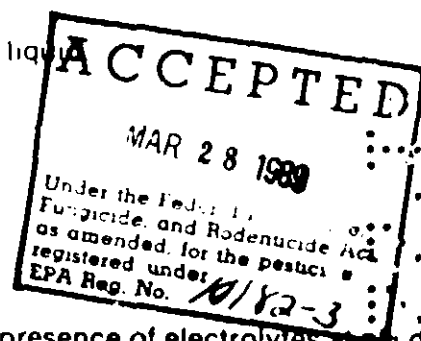
Specific Gravity

(20°C): 1.12 (typical value)

Reaction (20°C) pH 9.5 - 11.5

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



## USES OF PROXEL CRL

PROXEL CRL 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 CRL (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.	0.02-0.05
Oil-in-water emulsions:	
"Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils* (metal and engineering industries).	0.02-0.1
Emulsion paint:	
For preservation in the can.	0.02-0.15
Adhesives:	
Carboxy methyl cellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.	0.01-0.05
Paper coating compositions:	
Rosin dispersions	0.015-0.05
Starch and casein based products	

ACCEPTED  
with COMMENTS  
in EPA Bulletin  
MAR 28 1969  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide  
registered under EPA Reg. No.

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 attack, a concentration within the range 0.01-0.2%, PROXEL CRL is almost invariably sufficient.

The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.2%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.05%.

A simple method of determining the effective dosage rate is to prepare samples of the product containing varying concentrations of PROXEL CRL e.g., 0.01, 0.03, 0.05 and 0.1%. 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.

## PRECAUTIONS IN HANDLING:

PROXEL CRL is a severe skin and eye irritant

Skin and eye contact should be avoided by the use of rubber gloves and goggles and techniques which eliminate direct handling, such as metering devices, are recommended.

\*We suggest formulation with the addition of PROXEL CRL to 0.5% maximum in metalworking fluid concentrates. This is a maximum recommended use level of 0.05% PROXEL CRL in 10:1 dilution of the concentrate to reduce the possibility of skin sensitization.

(Advice on available methods can be supplied on request).

PROXEL CRL has little or no systemic effect by absorption through the skin. The dermal LD<sub>50</sub> in rats is greater than 2 grams per kilogram body weight.

The oral LD<sub>50</sub> for rats is in the range of 0.625 to 1.25 grams per kilogram body weight.

If swallowed, immediately drink one or two glasses of water and call a physician. DO NOT induce vomiting. Avoid drinking alcohol.

PROXEL CRL on the skin should be removed by rinsing with copious quantities of water.

For eye splashes, irrigate with cold water and consult a physician immediately.

This pesticide is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not permit PROXEL to get into stream at concentrations greater than 1 ppm.

Do not reuse container. Destroy when empty.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

MAR 28 1980

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

#### FOR YOUR PROTECTION

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of ICI Americas Inc. and users should make their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, ICI Americas Inc. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than that the material conforms to its applicable current Standard Specifications. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of ICI Americas Inc. for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material.

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