

TECHNICAL SUPPORT SECTION TOXICOLOGY REVIEW - I

Disinfectants Branch

IN Oct 23 91

OUT Oct 28 91

Reviewed by Alex Arce

Date ~~Oct 28 91~~ Feb 11-92

EPA Reg. No. or File Symbol 10182-30

EPA Petition or EUP No. None

Date Division Received 10-16-91

Type Product(s): I, D, H, F, N, R, S Industrial Microbiostat

Data Accession No(s). Not Assigned

Product Mgr. No. 31, J. Lee/ Levy

Product Name(s) PROXEL GXL

Company Name(s) ICI Special Chemicals

Submission Purpose Review of an Inhalation Acute Toxicity  
study - data - unsolicited . submitted under  
P R notice 86-5

Chemical & Formulation Liquid

Active Ingredient(s):

1,2-Benzisothiazoline-3-one

8

17.0%

NOTE Due to the PH of the material , other studies as Eye and Skin irritation , Acute Dermal Ld 50 and Acute inhalation Toxicity are not required.

This is a voluntary performed study by the registrant .

The product does not produce vapors or aerosol ; as stated in the later from the registrant .

However , due to the PH of the material , some changes are requiered. in the label

Note The attached label punched 12-12-91 ①  
is acceptable

Feb 11-92

BACKGROUND

The product will be used as an Industrial Microbiostat

RECOMMENDATIONS

The data submitted are adequate to place the product tested in the following toxicity category:

<u>STUDY</u>	<u>TOX CATEGORY</u>
Acute Oral	_____
Acute Dermal	_____
Acute Inhalation	1
Skin Irritation	_____
Eye Irritation	_____

CRP STATUS

This product ~~does~~/does not require special packaging

LABEL

The label has to be revised as follows:

Besides the three requested amendments; "add the signal word Danger to the left of the panel" and the word "Corrosive" preceeding the precautionary statement \_\_\_\_\_

\_\_\_\_\_ ; these other corrections are required:  
Under the Precautionary Statement. after "fatal if swallowed", add  
"inhaléd or absorbed through the skin".

The Statement of Practical treatment has to be revised as follows:

Delete the phrase "milk . egg whites . gelatin solution or if these are not available drink large quantities of", to read  
"drink promptly large quantities of water".

Add the sentence "If inhaled remove to fresh air".

Acute Inhalation LC<sub>50</sub>

CFR 81.3

ICI Central Toxicology Laboratory Report # CTL/P 3370  
Study # HR2090

Report Date: 7 June 1991 MRID: ~~Not assigned~~ 421962

Method of Testing: CFR 81-3

Species: Rat Sex: M. and F Age: Adult

Levels Tested: 0, control ; 50,  
150 and 250 micrograms / liter

No. animals/dose: 5 males and 5 F

Via: Inhalation chamber exposure

Weight: Acceptable

Observation days: 14

Material: Aerosol; 4 hours exposure Necropsy: All

Procedure The rats were exposed to the aerosol for 4 hours.

The exposure was directed to the nose only . The product was tested as a 75 % solution in deionised water . The control group was exposed to air only , The particule concentration and the diameters were measured. Observations for signs of toxicity lasted for 14 days.

The measured particle concentration were 55.8, 149.0 and 249.0 micrograms /liter

Results

Signs of toxicity: wet fur, hypoaesthesia, salivation , deep breathing

Mortality: None at the low dose level ; at the high dose all died  
or were sacrificed.

Body Weights: After a temporary weight loss , the animals gained

Necropsy: Changes in the respiratory tract.

Conclusions: The Acute Inhalation LC<sub>50</sub> is 127 for M and 149 for F :  
microgram /liter

Core Minimum data

Toxicity Category: 1

# PROXEL® GXL

## 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.

### Precautionary Statements Hazards to Humans and Domestic Animals

ANGER

relative. → Causes severe eye and skin damage. May cause allergic skin reactions. 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.

**ENVIRONMENTAL HAZARDS:** 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 or estuarine oil fields.

, inhaled or absorbed through the skin.

### Active Ingredient

1,2-Benzisothiazolin-3-one ..... 17%  
Inert Ingredients ..... 83%  
CONTENTS: 45 LBS. NET MINIMUM  
(approx. 5 U.S. gal.)

## 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 ~~a large quantity of milk, egg whites, gelatin solution~~ or if these are not available, drink 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. 10182-30  
EPA Est No. 10182-NC-002

### 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 64-0000-013 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.

MANUFACTURED BY:



Specialty Chemicals

Wilmington, DE 19897  
(302) 886-3000

PROXEL is a trademark of Imperial Chemical Industries PLC

NET WEIGHT

45 LBS.

KILOS

LOT NUMBER

PRODUCT CODE

PL 1347 Rev 8/89

84302

Acceptable  
02-11-92

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### Precautionary Statements Hazards to Humans and Domestic Animals

**Eye.** Causes severe eye and skin damage. May cause allergic skin reactions. 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.

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**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. 10162-30  
EPA Est. No. 10162-NC-002

### 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 64-0000-013 for directions for use.

### STORAGE AND DISPOSAL

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**STORAGE** — Protect from frost. If frozen, allow to thaw and stir well before use.

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LOT NUMBER

PRODUCT CODE

84302

PL 1347 Rev. 8/79

*Acceptable*  
*[Signature]*  
*02-11-92*



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