

PROXEL® BDAMENDMENT INSERTS

- (1) Textile spin-finish solutions and Pesticide Formulations.
- (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

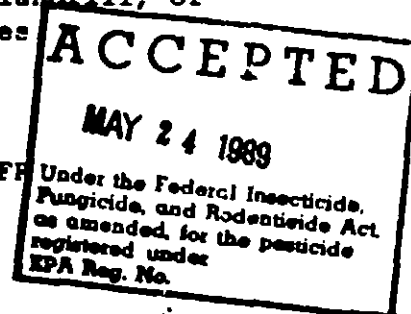
Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative 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) BD
- (4) Its components are also cleared by EPA for use under 40 CFR 180.1001(d) for agricultural use.
- (5) 0.12
- (6) 0.075
- (7) For protection against bacterial attack, a concentration within the range of 0.02 - 0.2% PROXEL BD is almost invariably sufficient.

PROXEL BD 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 40 CFR 180.1001(d) limit of 0.1% BIT in formulations, use levels up to 0.28% (2800 ppm) PROXEL BD are allowed.



PROXEL BD

ACCEPTED

MAY 24 1989

Under the Federal Insecticide,
Fungicide and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10182-1

Industrial Microbiocide

For industrial use only as a preservative for aqueous compositions such as Oil in Water Emulsions, Latices, Emulsion Paints, Water Based Adhesives, Casein/Rosin Dispersions, and Textile Spin-Finish Solutions. (1)

Active Ingredients

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

E.P.A. Reg. No. 10182-1

Inert Ingredients 70%

E.P.A. Est. Reg. No. 83909-EN-3

Contents: 440 lbs. net minimum (45 Gal.)

See T.I. Bulletin Z10-16 for directions for use.

DANGER: PRECAUTIONARY STATEMENTS. KEEP OUT OF REACH OF CHILDREN. HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

Corrosive. 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 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: 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.

STORAGE AND DISPOSAL

PROHIBITIONS—Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. (2)

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

PESTICIDE DISPOSAL—Pesticide, spray mixture, or rinseate 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) Recycle container and offer for reconditioning, or (b) Triple rinse and offer for recycling, reconditioning, or dispose of 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.

Wilmington
DE 19897
(302) 773-3000

Contents Manufactured in Great Britain

PROXEL is a trademark of Imperial Chemical Industries PLC.

NET WEIGHT

LBS.

KILOS

LOT NUMBER

U.K. 2765

Z10-16

PROXEL® PM PASTE

Preservative for Aqueous Systems

(3)

SUMMARY

PROXEL **PM PASTE** an aqueous dispersion of 1,2 benzisothiazolin-3-one, is an effective 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 **PM PASTE** is registered with the Environmental Protection Agency and has been granted EPA Registration No. 10182-1.

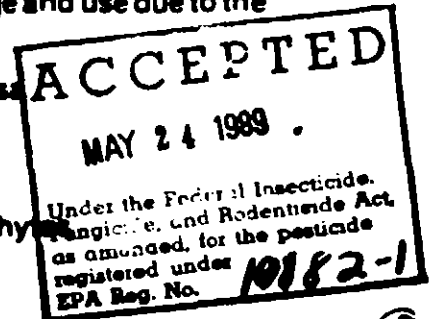
(1)
(3)
(4)

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
Aerobacter aerogenes
Bacillus subtilis
Bacillus megaterium
Escherichia coli
Proteus vulgaris

Pseudomonas aeruginosa
Rhizopus nigricans
Aspergillus glaucus
Aspergillus niger
Trichophyton mentagrophytes
Alternaria radicina



PROXEL **PM PASTE** is an effective preservative against growth of these microbial agents in the aqueous systems listed and it exhibits:

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

PROPERTIES OF PROXEL PM PASTE

Composition:	An aqueous dispersion of 1,2 benzisothiazolin-3-one in very fine particle form
Physical Form and Appearance:	Fawn-colored, semi-fluid pourable paste
Density:	1.1 - 1.2
pH range (20° C):	6.5 - 8.5
Solubility:	Miscible with water in all proportions.

USES OF PROXEL PM PASTE

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

PROXEL **PM PASTE** is an effective preservative in most aqueous compositions. 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 0.01-0.2%. PROXEL **PM PASTE** is almost invariably sufficient.

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10182-1

ACCEPTED

MAY 24 1989

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10182-1

Product

% PROXEL PM PASTE (based on total weight of product)

Latices:

PROXEL PM PASTE can be used to preserve many polymer latices such as those based on acrylate, butadiene, PVA and styrene as well as synthetic/natural rubber latices.

0.02-0.05

(3)

Oil in Water Emulsions:

PROXEL PM PASTE is suitable for protection of textile emulsions such as 'spin finish' solutions, cutting/rolling oils and soluble oils. PROXEL PM PASTE works well for all types of metal-working fluids where the dilution is no greater than 30:1 for a concentrate preserved with 0.5% PROXEL PM PASTE.

0.02-0.1

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Emulsion Paints:

PROXEL PM PASTE can be used for in-can preservation of all types of water based paints. PROXEL PM PASTE can be added at any convenient point in the manufacturing cycle as the product is completely miscible in aqueous systems.

0.02-0.15

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(3)

Adhesives:

PROXEL PM PASTE is suitable for preservation of aqueous based adhesives such as carboxymethyl cellulose (CMC) and its derivatives, animal glues and those based on gelatin and latex.

0.01-0.05

← (5)

(3)

Paper Coating Compositions:

PROXEL PM PASTE can be effectively used to preserve aqueous based paper coatings and their components such as starch and casein products, polymers, and rosin dispersions.

0.015-0.05

← (6)

(3)

Mold growth can be a problem in any of the above systems, and can be a particular problem on paste products of high solids content. Dosages of PROXEL PM PASTE up to 0.5% may be necessary to control such growths.

(3)

A simple method of determining the effective dosage rate is to prepare samples of the product containing varying concentrations of PROXEL PM PASTE e.g., 0.01, 0.03, 0.05 and 0.1%. These can then be stored at approximately 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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SAFETY

PROXEL PM PASTE in concentrated form, can cause chemical burns to the skin and eyes, and it can be a sensitizer. Skin and eye contact should be avoided by the use of rubber gloves and goggles. Techniques which eliminate direct handling, such as metering devices, are recommended. (Advice on available methods can be supplied on request.)

(3)

In case of accidental contact, flush skin and eyes with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Consult a physician. Contaminated clothing and shoes should be thoroughly cleaned before reuse.

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

PROXEL PM PASTE has little or no systemic effect by inhalation or oral routes of administration. The acute LD₅₀ in rats is >10.3 mg/liter of air, and the oral LD₅₀ for rats is 0.665 g per kg body weight.

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PM31

10182-1

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Human patch tests have shown that 635 ppm of 1,2-benzisothiazolin-3-one, the active ingredient of PROXEL PM PASTE can cause skin sensitization. These tests have also shown that 317 ppm of the active ingredient is a non sensitizing level.

③

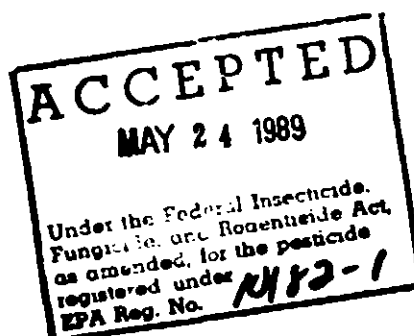
STORAGE AND DISPOSAL

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

In case of leaks or accidental spills, PROXEL PM PASTE can be soaked up with sand, earth, or synthetic absorbents and removed to a chemical waste area. Treat waste material with sodium hypochlorite and dispose of in accordance with local pollution regulations.

②

Container disposal - (a) reseal container and offer for reconditioning, or (b) triple rinse and offer for recycling, reconditioning, or dispose of in approved landfill, or bury in a safe place.



FOR YOUR PROTECTION

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