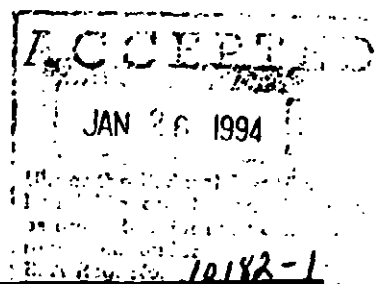


PM 31 10182-1

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PROXEL® BD

Industrial Microbiocide

For Industrial Use Only as a Preservative for Aqueous Compositions such as Oil in Water Emulsions, Latexes, Emulsion Paints, Water Based Adhesives, Casein/Rosin Dispersions, Textile Spin-Finish Solutions and Pesticide Formulations.

Precautionary Statements Hazards to Humans and Domestic Animals

Corrosive. 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. Harmful or fatal if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove and wash contaminated clothing before reuse.

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 the regional office of EPA.

Active Ingredient
1,2-Benzisothiazolin-3-one 30%
Inert Ingredients 70%
Contents: 55.1 lbs. net minimum
(approx. 5.7 U.S. gals.)

KEEP OUT OF REACH OF CHILDREN DANGER

STATEMENT OF PRACTICAL TREATMENT: If in eyes, immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and treated by medical personnel.

If on skin, immediately wash material off skin with soap and plenty of water. If irritation persists, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

If swallowed, do not induce vomiting. If conscious, give promptly, a large quantity of water to drink. Avoid alcohol. Never give anything by mouth to an unconscious person. Refer victim to medical personnel.

NOTE TO PHYSICIAN: Possible mucosal injury may contraindicate the use of gastric lavage following ingestion. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SEE ADDITIONAL PRECAUTIONS
ON SIDE PANEL

EPA Reg. No. 10182-1
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 64-0000-015 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

LBS.

KILOS

LOT NUMBER

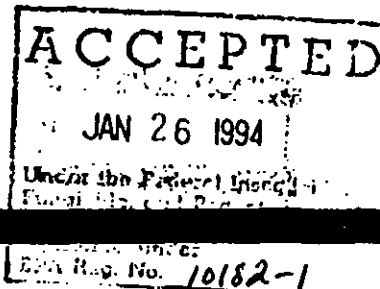
PRODUCT CODE

PL 1204 Rev. 6/89

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**Biocides**

PROXEL® BD

Liquid Preservative for Aqueous Systems

SUMMARY

PROXEL BD, 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, textile spin-finish solutions and pesticide formulations.

PROXEL BD is registered with the Environmental Protection Agency and has been granted EPA Registration No. 10182-1. 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>Proteus vulgaris</i>
<i>Salmonella typhosa</i>	<i>Pseudomonas aeruginosa</i>
<i>Aerobacter aerogenes</i>	<i>Rhizopus nigricans</i>
<i>Bacillus subtilis</i>	<i>Aspergillus glaucus</i>
<i>Bacillus megaterium</i>	<i>Aspergillus niger</i>
<i>Escherichia coli</i>	<i>Alternaria radicina</i>
<i>Tricophyton mentagrophytes</i>	

PROXEL BD 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 concentrations.
- Long-term storage stability.
- Ease of use due to its solubility and good compatibility in most aqueous compositions.

PROPERTIES OF PROXEL BD

Composition:	An aqueous dispersion of 1,2 benzisothiazolin-3-one at 30% min in very fine particle form
Physical Form and Appearance:	Fawn-colored, dispersion
Viscosity (25°C)	
Brookfield:	2000 cps (approx.)
Density:	9.6 lb/gal (approx.)
pH (25°C):	7.0 (approx.)
Solubility:	Soluble in water at use dilutions

DIRECTIONS FOR USE

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

PROXEL BD 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 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 BD is almost invariably sufficient.

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 BD up to 0.2% may be necessary to control such growths.

Typical applications, and the suggested range of concentrations on which trials can be based, are:

Product	% PROXEL BD (based on total weight of product)
Latices: PROXEL BD 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.	0.03 - 0.10
Oil in water emulsions: PROXEL BD is suitable for protection of textile emulsions such as 'spin finish' solutions, cutting/ rolling oils and soluble oils. PROXEL BD 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 BD.	0.03 - 0.12
Emulsion paints: PROXEL BD can be used for in-can preservation of all types of water based paints. PROXEL BD can be added at any convenient point in the manufacturing cycle as the product is completely miscible in aqueous systems.	0.03 - 0.10
Adhesives: PROXEL BD is suitable for preservation of aqueous based adhesives such as carboxymethylcellulose (CMC) and its derivatives, animal glues and those based on gelatin and latex.	0.03 - 0.15
Paper Coating Compositions: PROXEL BD can be effectively used to preserve aqueous based paper coatings and their components such as starch and casein products, polymers, and rosin dispersions.	0.03 - 0.10
Pesticide formulations: For product preservation	0.03 - 0.15

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.

SAFETY

PROXEL BD 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.)

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.

STORAGE AND DISPOSAL

Prohibitions

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Storage

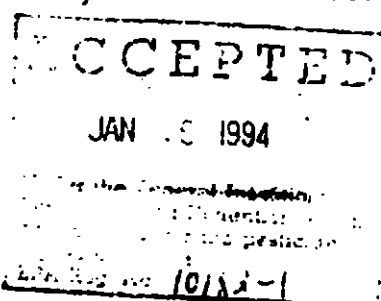
Protect from frost. If frozen, allow to thaw and stir well before use.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinseate 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.



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SAFE HANDLING INFORMATION

Refer to the Material Safety Data Sheet (MSDS) available from the ICI Americas Inc. for information on the safe use, handling and disposal of this product.

For literature, samples and order information, please contact:

Customer Service: (800) 523-7391

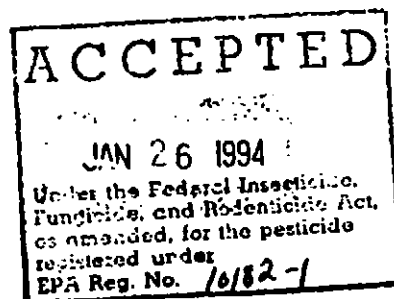
For technical information, contact:

ICI Specialties

Application Research and Technical Services

Wilmington, Delaware 19897

(800) 456-3669 - extension 8428



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ACCEPTED
 JAN 26 1994
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 10182-1

PROXEL is a registered trademark of Imperial Chemical Industries PLC.

FOR YOUR PROTECTION

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Biocides

Wilmington, Delaware 19897