

PROXEL® DL

Industrial Microbiostat

A Microbiostat Preservative for use in the manufacture of Aqueous Compositions such as Latices, Oil in Water Emulsions, (Textile Spin-Finish Solutions, Cutting Oils), Emulsion Paints, Waterbase Adhesives, Paper Coating Compositions (Casein/Rosin Dispersions) 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 on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply in marine and estuarine or fields.

Active ingredient:
1,2-Benzisothiazolin-3-one..... 91%
Inert Ingredients..... 9%
Contents: 440.9 Lbs. Net Minimum
(approx. 46.7 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 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.

**SEE SIDE PANEL FOR
ADDITIONAL PRECAUTIONARY STATEMENTS**

EPA Reg. No. 10182-265 EPA Est. No. 10182-NC-001

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. See T.J. Bulletin 64-0000-028 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 puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

8.5%

91.5%

ACCEPTED
AUG 28 1992
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10182-265

MANUFACTURED BY:

MANUFACTURED BY:



Specialty Chemicals

Wilmington, DE 19897
(302) 886-3000

PROXEL is a trademark of Imperial Chemical Industries PLC

NET WEIGHT

LBS.

KILOG

LOT NO.

PRODUCT CODE
84183

PM 31
10182-265
1 of 5

nons such as oil in water emulsions (texture spin-finish solutions, cutting oils), latices, emulsion paints, water based adhesives, paper coating compositions (casein/rosin dispersions) and pesticide formulations.

PROXEL DL is registered with the Environmental Protection Agency and has been granted EPA Registration No. 10182-265.

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>Pseudomonas aeruginosa</i>
<i>Salmonella typhosa</i>	<i>Rhizopus nigricans</i>
<i>Aerobacter aerogenes</i>	<i>Aspergillus glaucus</i>
<i>Bacillus subtilis</i>	<i>Aspergillus niger</i>
<i>Bacillus megaterium</i>	<i>Tricophyton mentagrophytes</i>
<i>Escherichia coli</i>	<i>Alternaria radicina</i>
<i>Proteus vulgaris</i>	

PROXEL DL 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 concentrations.
- b. Ease of use due to its liquid form and good compatibility in most aqueous compositions.

dipropylene glycol and water.

Physical Form and Appearance:

Dark brown liquid

Viscosity(25°C)

Brookfield:

10 centipoise (approx.)

Specific Gravity

(25°C/25°C):

1.08 (approx.)

Density (25°C):

8.9 lb/gal (approx.)

pH(25°C):

12 (approx.)

Initial Boiling Point:

100°C

Solubility:

Soluble in water at use dilutions

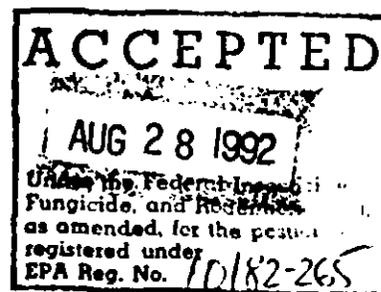
Stability:

Dilute aqueous solutions are stable in the presence of electrolytes at pH down to approximately 4.

Directions for Use

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

PROXEL DL 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 DL (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.	0.1-0.3
Oil-in-water emulsions: "Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils* (metal and engineering industries).	0.1-0.35

*We suggest formulator limit the addition of PROXEL DL to 3.0% maximum in metal-working fluid concentrates. This will give a maximum recommended use level of 0.30% PROXEL DL in a 10:1 dilution of the concentrate and reduce the possibility of skin sensitization.

Based on the current limit of 0.1% BIT in pesticide formulations, use levels up to 1.0% (10,000 ppm) PROXEL DL are allowed.

General Recommendations

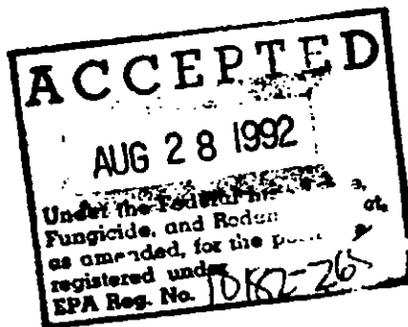
The concentration of PROXEL DL required to control microorganisms depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature, and length of time for which control is required.

For protection against bacterial attack, a concentration within the range 0.04-0.7% PROXEL DL is almost invariably sufficient.

The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.50%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.18%.

Product	% PROXEL DL (based on total weight of product)
Emulsion paint: For preservation in the can	0.1-0.3
Adhesives: Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex	0.1-0.5
Paper coating compositions: (For use only as components of paper and paperboard) Rosin dispersions Starch and casein based products	0.1-0.3
Pesticide formulations: For product preservation For use - dilution	0.1-0.5



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HAZARDS TO HUMANS AND
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Statement of Practical Treatment: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If irritation continues call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Environmental Hazards

CAUTION: This product is toxic to fish. Do not discharge into lakes, streams, ponds, estuaries, oceans, or public waters unless in accordance with an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or 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.

Storage and Disposal

Prohibitions

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

Storage

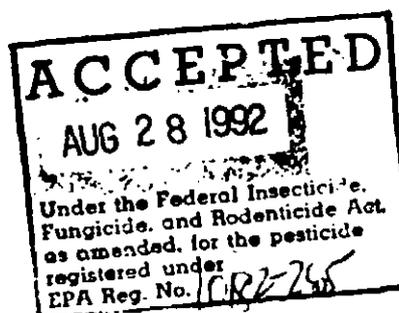
Protect from frost. If frozen, allow to thaw and stir well before use.

Pesticide Disposal

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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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 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
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 EPA Reg. No. 10182-285

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FOR YOUR PROTECTION

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