

PROXEL™ GXL Preservative

Summary

PROXEL™ GXL Preservative, 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 including varnishes, lacquers, and stains, water based adhesives, inks, casein and rosin dispersions, textile spin-finish solutions, pesticide formulations, aqueous slurries, titanium dioxide slurries, tape joint compounds, leather processing solutions, and for the preservation of fresh animal hides and skins.

PROXEL™ GXL Preservative is registered with the Environmental Protection Agency and has been granted EPA Registration No. 1258-1255. Its components are also cleared by EPA for use under 40 CFR 180.920 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.

PROXEL™ GXL Preservative is an effective preservative against growth of the above microbial agents in the aqueous systems listed and exhibits:

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

Properties PROXEL™ GXL

Composition	A solution of 1, 2-benzisothiazolin-3-one at 19.3% ave in dipropylene glycol and water.
Physical Form and Appearance	Liquid
Viscosity (25°C) Brookfield	500 centipoise (approx.)
Specific Gravity (25°C/25°C)	1.13 (approx.)
pH (25°C)	12 (approx.)
Density (25°C)	9.5 lb/gal (approx.)
Initial Boiling Point	100°C
Solubility	Soluble in water at use dilutions
Stability	Stable under all normal storage conditions. Maintain the pH above approximately 4. The active agent is heat stable and non-volatile. Protect from frost.

Directions for Use

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

PROXEL™ GXL Preservative 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™ GXL Preservative (based on total weight of product)
Latices: Polymer latices based on acrylate, butadiene, PVA and styrene for various applications, e.g., wax, floor polishes, Synthetic/rubber latices.	0.05-0.15
Oil-in-Water Emulsions: "Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils* (metal and engineering industries).	0.05-0.18
Emulsion Paint and Coatings: Including varnishes, lacquers and stains: For preservation in the can.	0.05-0.25
Adhesives: Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatins and latex.	0.05-0.25
Paper Coating Compositions: Rosin dispersions. Starch and casein based products.	0.05-0.25
Pesticide Formulations: For product preservation For use – dilution	0.05-0.25

PROXEL™ GXL Preservative is exempt from tolerance under 40CFR CFR 180.920(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 CFR 180.920(d) limit of 0.1% BIT in formulations, use levels up to 0.5% (5000 ppm) PROXEL™ GXL Preservative are allowed.

Product	% PROXEL™ GXL Preservative (based on total weight of product)
Inks	0.05-0.25
Aqueous Mineral Slurries	0.04-0.125
Tape Joint Compound	0.08-0.25
Specialty Products & Household Products	% PROXEL™ GXL Preservative (based on total weight of product)
Home Cleaning Products: Floor cleaners, floor waxes & polishes, surface cleaners, window cleaners, dish detergents.	0.05-0.15
Laundry Additives: Liquid laundry detergents, fabric softeners, stain removers.	0.05-0.15
Car Care Products: Car washing products, car waxes, silicone emulsions	0.075-0.15

Preservation of Fresh Animal Hides and Skins

To preserve the integrity of fresh animal hides and skins prior to or during processing, use 13 fluid ounces to 2.5 gallons (1.0-24 lbs) of PROXEL™ GXL Preservative per 1000 pounds of hides or skins. Add the appropriate quantity of PROXEL™ GXL Preservative to the brine solution during the curing operation or treat hides or skins with an appropriately diluted aqueous solution during other portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.

Leather Processing Solutions

Use PROXEL™ GXL Preservative at levels of 0.025-0.2% for the preservation of leather processing solutions.

General Recommendations

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 0.02-0.35% PROXEL™ GXL Preservative is almost invariably sufficient.

The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.25%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%.

KEEP OUT OF REACH OF CHILDREN

DANGER

PRECAUTIONARY STATEMENTS

HAZARDOUS 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, inhaled or absorbed through the skin. Avoid contamination of food..

Statement of Practical Treatment

If in Eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 min-utes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If Swallowed	Call a poison control center or doctor for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on Skin or Clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for futher treatment advice.

MEDICAL EMERGENCY INFORMATION CENTER

1 800 286 7850

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage.

Environmental Hazards

This product is toxic to fish. Do not discharge into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local 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.

Pesticide 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.

For information on spills, call 1 800 654 6911.

Safe Handling Information

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

Application

For product application and formulation information please refer to PROXEL™ GXL Preservative product labeling.

For information on spills, call 1 800 654 6911.

For more information, visit www.lonza.com

USA

Lonza Microbial Control
5660 New Northside Drive, Suite 1100
Atlanta, GA 30328
Tel: +1 800 365 8324
Tel: +1 678 627 2000
microbialcontrol@lonza.com

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