

Microbial Control

Technical Data Sheet

KORALONE® B-119 Preservative

In-can Preservative for Household and Industrial & Institutional Products

Description

KORALONE® B-119 preservative is an effective preservative recommended and widely used in the preservation of household and industrial and institutional cleaning and laundry products. It is a clear, 19% active, aqueous solution of 1,2-benzisothiazolin-3-one (BIT).

Physical Properties

The following are typical properties of KORALONE® B-119 preservative; **they are not to be considered product specifications.**

Active Ingredient Concentration	A 19% active aqueous solution of 1,2 Benzisothiazolin-3-one (BIT) in dipropylene glycol and water
Physical form and appearance	Clear yellow to amber liquid
Viscosity	200-500 cP
Specific gravity	1.14 at 25°C
pH (10% solution)	12-13.5

Performance Benefits

- Broad spectrum activity in high pH systems, controlling bacteria and fungi (yeasts and molds).
- Formaldehyde and formaldehyde releaser free.
- Ease of handling due to its liquid form and good compatibility in most aqueous formulations.
- High purity active ingredient, made evident by its clear light color.
- Compatible and effective with anionic, ester quaternary surfactants, non-ionic surfactants and commonly used household and industrial and institutional product ingredients.
- Safe to use at recommended use levels.
- Environmentally acceptable: rapidly degrades, does not bio-accumulate and is non-persistent in the environment.
- Stable over a wide range of pH (4 to 12), in the presence of amines and temperature conditions up to 50°C.

Used at recommended dose levels, KORALONE® B-119 preservative is effective on a number of microorganisms including:

Bacteria	Molds	Yeasts
<i>Bacillus megaterium</i>	<i>Alternaria radicina</i>	<i>Candida albicans</i>
<i>Bacillus subtilis</i>	<i>Aspergillus niger</i>	<i>Saccharomyces cerevisiae</i>
<i>Escherichia coli</i>	<i>Aspergillus penicilloides</i>	
<i>Klebsiella pneumoniae</i>	<i>Rhizopus stolonifer</i>	
<i>Proteus vulgaris</i>	<i>Trichophyton mentagrophytes</i>	
<i>Pseudomonas aeruginosa</i>		
<i>Salmonella typhosa</i>		
<i>Staphylococcus aureus</i>		

U.S. Regulatory Clearances

KORALONE® B-119 preservative is registered with the U.S. Environmental Protection Agency and has been granted EPA registration No. 80285-2-707.

Directions for Use

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

KORALONE® B-119 preservative is an effective preservative in most aqueous formulations. 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 microbial attack, a concentration within the range 0.05% to 0.15% KORALONE® B-119 preservative is almost always sufficient.

Type of Material to be Preserved	Pounds of KORALONE® B-119 preservative PER 1,000 Pounds of Material to be Preserved (% KORALONE® B-119 preservative based on total weight of product)	
Home cleaning products, including floor waxes and polishes, surface cleaners, window cleaners, and dish detergents	0.5 to 1.5 lb	(0.05 – 0.15%)
Liquid laundry additives, including laundry detergents, fabric softeners, and stain removers	0.5 to 1.5 lb	(0.05 – 0.15%)
Car care products, including car washing products, car waxes, and silicone emulsions	0.75 to 1.5 lb	(0.075 – 0.15%)

Handling

Please refer to the material safety data sheet of this product for precise handling instructions.

The processing and use of industrial chemicals require adequate technical and professional knowledge. In general, avoid eye and skin contact, wear safety goggles, gloves and protective clothing. In case of eye or skin contact, despite precautionary measures, wash immediately and thoroughly with plenty of warm water and obtain medical attention.

Storage

KORALONE® B-119 preservative should be stored at room temperature in tightly sealed original containers. Protect from frost and heat. Any supplies which do freeze must be mixed thoroughly after thawing before they can be used without any loss in efficacy.

Product Stewardship

When considering the use of any DuPont product in a particular application, review the latest Safety Data Sheet (SDS) and country-specific product label to ensure the intended use is within the scope of approved uses. DuPont has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with DuPont products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including Safety Data Sheets (SDS), should be consulted prior to use of DuPont products. Current Safety Data Sheets are available from DuPont.



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