

EPA Registration No.: 5383-216
Product Code: 10278

MERGAL® BZ55

Broad-Spectrum Wet-State Preservative for Aqueous Systems

Description

Mergal® BZ55 is a broad-spectrum wet-state preservative used to prevent deterioration and degradation of aqueous systems caused by bacteria, fungi, and yeast.

Application & Use

Mergal BZ55 is useful for the wet-state or in-can protection of various waterborne end-use products, such as paints, coatings, polymer emulsions, adhesives, sealants, mineral slurries, pigment dispersions, and other industrial applications.

The preservative is suited for waterborne systems.

Product Highlights

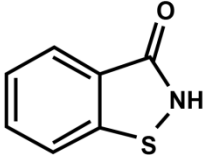
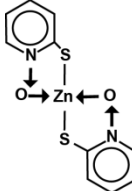
- Free of CMIT and MIT
- Temperature stable
- Long-lasting

Physical Properties

The following are typical properties of Mergal BZ55; they are not to be considered product specifications.

Appearance: White to off-white, free-flowing dispersion
 Specific Gravity, 25°C: 1.22
 pH (as is) 6.9
 Viscosity, 25°C Dynamic: 700 mPa-s (700 cP)

Active Substances

5.75%	1,2-Benzisothiazolin-3-one	 <p>BIT C₇H₅NOS</p>
5.75%	Zinc Pyrithione	 <p>Zinc Pyrithione C₁₀H₈N₂O₂S₂Zn</p>

Function/Activity

Suggested Application Levels

Suggested use levels are based on laboratory and field evaluations and are typical for the applications indicated. The actual level required for your system is formulation specific. The selection of the individual components of the formulation, the substrate to be coated, and the environment in which the coating will be exposed, all have an influence on the amount of protection needed

Suggested use levels are reported as percentage of the end-use product.

	% Wt/Wt
Paints and coatings	0.1-0.3%
Polymer emulsions	0.1-0.3%
Mineral and pigment slurries.....	0.1-0.25%
Adhesives & sealants	0.1-0.3%

Paints, coatings, and stuccos: In hot, humid areas where the microorganisms are a particularly severe problem, the upper application levels are suggested.

Troy's Microbiological Laboratory is available to provide additional assistance in determining the proper level of protection needed for your system.

Formulation Considerations

General Formulation Notes:

Mergal® BZ55 should be added with good agitation or mixing at the end of the manufacturing cycle after pH adjustments have been made (not during the grind).

Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products.

For further assistance, please contact your Troy representative.

Shipping & Packaging

Mergal® BZ55 is packaged in:

Shipping Container	Net Weight
Can	66 lbs. / 30 kg.
IBC	2425 lbs. / 1100 kg.

Product Safety Information

For handling, storage, health, and safety information and disposal procedures, as well as additional information, please refer to the Safety Data Sheet (SDS) and product label.

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