

NUOSEPT® BM11

Wet-State Preservative

Paints & Coatings/US

EPA Registration No.: 5383-228

Nuosept® BM11 is a broad-spectrum wet-state preservative used to prevent deterioration and degradation of aqueous systems caused by bacteria, fungi, and yeast. It is an enhanced BIT formulation which bridges the Pseudomonas gap in pure BIT's spectrum of efficacy.

Application & Use

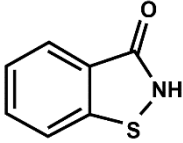
Nuosept® BM11 is particularly well-suited for higher pH systems where CMIT is not stable, or for low solids systems where dispersion products cannot be utilized. Nuosept® BM11 is an aqueous, easy-to-handle solution. The product is useful for the protection of various systems such as coatings, stucco, roof coatings, polymer dispersions, adhesives, caulks, sealants, inks, mineral slurries, pigment slurries, concrete admixtures, and other industrial applications. Further, it is suitable for metalworking fluids as post-treatment. Nuosept® BM11 can be used in formaldehyde-free systems or if an adaptation occurs against pure formaldehyde adducts.

This product is suitable for systems with a pH of 3 - 10 and at a temperature up to 80°C.

Product Highlights

- Synergistic combination of full-spectrum bactericides
- Excellent short- and medium-term in-container protection
- Free of formaldehyde
- Temperature stable
- Wide pH range
- Low odor

Active Substance

2.5%	1,2-Benzisothiazolin-3(2H)-one	BIT	 <p>BIT C₇H₅NOS</p>
2.5%	2-Methyl-4-isothiazolin-3-one	MIT	 <p>MIT C₄H₅NOS</p>

Physical Properties

The following are typical properties of Nuosept® BM11; they are not to be considered product specifications.

Appearance:	Slightly yellow to brown liquid
Specific Gravity, 25°C:	1.03
pH (as is)	9
Solubility	Soluble in water at typical use levels

Function/Activity

The level required to protect any particular system depends on a variety of factors, including the initial level of microbiological contamination, the components of the system, the likelihood of exposure to repeat microbiological intrusions, residual reducing and oxidizing agents, and the temperature and pH of the system. Suggested use levels should be verified by field trials of the end-use product.

Function	% Wt/Wt
Polymers	0.10 - 0.50%
Mineral & Pigment Slurries	0.03 - 0.30%
Oil-in-water Emulsions	0.10 - 0.50%
Building Materials	0.10 - 0.50%
Metalworking Fluids	0.15 - 0.45%
Paints & Coatings	0.20 - 0.50%
Adhesives and Tackifiers	0.10 - 0.50%
Lubricants	0.10 - 0.50%

Formulating Considerations

Nuosept® BM11 should be added with good agitation or mixing and can be added at any stage of the production process. Process parameters like redox, pH, and temperature should be controlled to maximize the stability of the active ingredients.

Due to various possibilities of application and different methods of processing, it is advised to check compatibility in the development of new products. Contact your Arxada representative for assistance.

Shelf-life is 12 months from date of manufacture.

Packaging

Nuosept® BM11 is packaged in:

Package Type	Net Weight
Pail	40 lbs. / 18 kg.
Large Drum	463 lbs. / 210 kg.
Tote	2204 lbs. / 997 kg.

Product Safety & Additional 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 label.



For more information visit:
www.arxada.com

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