

NUOSEPT® BM22

Wet-State Preservative

Paints & Coatings/US

EPA Registration No.: 5383-231

Nuosept® BM22 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 aqueous, easy-to-handle solution.

Application & Use

Nuosept® BM22 is useful for the protection of various waterborne systems such as paints, coatings, stucco, sealants, detergents, household cleaners and similar products, mineral slurries, pigment slurries, concrete additives, and other industrial applications.

This product is suitable for systems with a pH of 3 - 10 and at a temperature up to 60°C.

Product Highlights

- Broad-spectrum protection
- Free of formaldehyde
- Free of VOC
- Free of CMR substances
- Cost-effective

Physical Properties

The following are typical properties of Nuosept® BM22; they are not to be considered product specifications.

Appearance:	Light green liquid
Specific Gravity, 25°C:	1.82
pH (as is)	8.5
Viscosity, 25°C	Kinematic (room temperature): 0.01276 to 0.01304 cm ² /s (1.276-1.304 cSt)
Flash Point (ASTM D3278-96)	Closed cup: >101.8°C (>215.2°F)

Active Substance

5.0%	1,2-Benzisothiazolin-3(2H)-one	BIT	 <p>BIT C₇H₅NOS</p>
5.0%	2-Methyl-4-isothiazolin-3-one	MIT	 <p>MIT C₄H₅NOS</p>

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
Paints, Coatings, & Stucco	0.050 - 0.250%
Mineral & Pigment Slurries	0.015 - 0.150%
Detergents & Household Cleaners	0.006 - 0.200%
Adhesives and Tackifiers	0.050 - 0.250%
Oil-in-Water Emulsions	0.015. - 0.150%
In-Container	0.025. - 0.250%
Building Materials	0.050 - 0.250%
Metalworking Fluids	0.075 - 0.250%

Formulating Considerations

Nuosept® BM21 should be added with good agitation or mixing and can be added at any stage of the production process.

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® BM22 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

Use biocides safely. Always read the label and product information before use. All product information corresponds to Arxada's knowledge on the subject at the date of publication, but Arxada makes no warranty as to its accuracy or completeness and Arxada assumes no obligation to update it. Product and safety information is intended for use by recipients experienced and knowledgeable in the field, who are capable of and responsible for independently determining the suitability of ingredients for intended uses and to ensure their compliance with applicable law. Proper use of this information is the sole responsibility of the recipient. Republication of this information or related statements is prohibited. Information provided by Arxada is not intended and should not be construed as a license to operate under or a recommendation to infringe any patent or other intellectual property right. No claims are made herein for any specific intermediate or end-use application. The information contained in this document is proprietary and confidential. The recipient shall keep this document strictly secret using at least the same level of measures as it uses to protect its own confidential information, but in any case at least commercially reasonable own confidential information, but in any case at least commercially reasonable and

customary efforts. The recipient shall use this document only for the purpose specified in the applicable contractual documentation between the recipient and Arxada and will not make any use of it for its own separate benefit or the benefit of any third party. The use by other persons or entities than the intended recipient is prohibited. If you receive this transmission in error, please contact Arxada immediately and delete this document and its attachments from your system. Upon termination of the applicable contractual relationship between the recipient and Arxada, the recipient shall return or destroy promptly this document. Recipient shall at any time be fully liable for any and all breaches of the confidentiality duty and indemnify Arxada for any damages derived thereunder. Recipient acknowledges that the information provided is considered a trade secret and therefore the duty of confidentiality must remain in force for an undetermined period of time, regardless of any prior contractual agreement with Arxada. All trademarks belong to their respective owners or to Arxada as acknowledged.

© 2023 Arxada Ltd.