

NUOSEPT® MIT-10

Wet-State Preservative

Paints & Coatings/US

EPA Registration No.: 5383-225

Nuosept® MIT-10 is a broad-spectrum wet-state preservative used to protect aqueous systems from deterioration and degradation caused by bacteria. It is an aqueous, easy-to-handle solution.

Application & Use

The product is useful for the in-can protection of various waterborne end-use products, such as paints, coatings, adhesives, sealants, inks, detergents, household cleaners and similar products, fountain solutions, mineral slurries, concrete admixtures, 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® MIT-10; they are not to be considered product specifications.

Appearance:	Colorless to light yellow liquid
Specific Gravity, 25°C:	1.03
pH (as is)	5 - 6
Viscosity, 25°C	Kinematic (room temperature): 0.01321cm ² /s (1.321cSt)
Flash Point (ASTM D3278-96)	Closed cup: >96°C (>204.8°F)

Active Substance

9.9%	2-Methyl-4-isothiazolin-3-one	MIT	 <p>MIT C₄H₅NOS</p>
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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. Arxada Technical Service is available to provide additional assistance in determining the proper level of protection needed for your system.

Function	% Wt/Wt
Adhesives and Tackifiers	0.029 - 0.144%
Aqueous Emulsions and Dispersions	0.029 - 0.144%
Building Materials, Joint Cements, Grout, and Mastics	0.072 - 0.240%
Concrete Admixtures	0.076 - 0.240%
Paints & Coatings	0.020 - 0.144%
Household Products	0.025 - 0.960%
Ink/Ink Components	0.140 - 0.240%
Metalworking Fluids	0.075 - 0.144%

Formulating Considerations

Nuosept® MIT-10 should be added with good agitation or mixing and can be added at any stage of the production process. It is compatible with most known aqueous systems. 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 24 months from date of manufacture.

Packaging

Nuosept® MIT-10 is packaged in:

Package Type	Net Weight
Large Drum	441 lbs. / 200 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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