

IFCA-BM6

Antimicrobial agent



Technical Data Sheet

Name: IFCA-BM6

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Product Description

IFCA-BM6 is an aqueous liquid broad-spectrum bactericidal preservative based on complex methylisothiazolinone and benzisothiazolinone. This product is suitable for water-in-water, emulsions, coatings, adhesives, cutting fluids daily chemicals and acrylic paints. Low irritation, no formaldehyde, effective against common bacteria, fungi and yeasts in water, can effectively prevent microbial infestation in low additive amount. Good miscibility with water, no foam, non-flammable, low toxicity. It is easy to decompose in the environment and will not cause cumulative pollution to the environment.

Characteristic data*

Property	Value	Unit
Active component	2-Methyl-4-isothiazolin-3-one (MIT) 1,2-Benzazolin-3-one (BIT)	
Appearance	Colorless to light yellow transparent liquid, slight characteristic odor	
Total content	≥6	%
PH (25 °C)	9.0±1.0	
Density	1.10±0.10	20°C, g/cm ³
Dissolubility	Completely soluble in water, low molecular alcohols and glycols	

*These properties are typical but do not constitute specifications.

Instruction

It is recommended to add 2-5%, the dosage depends on the different kinds of emulsions and the protection needs of different products, and also affected by different microbial infestation degree. The dosage should be adjusted accordingly according to different products. Before using, pay attention to the PH value of the system, and avoid the system residual reducing substances and nucleophilic substances. Our testing center can help customers to test the recommended dosage under special formulations.

Minimum Inhibitory Concentration (MIC/ppm)

Staphylococcus aureus	200	Pseudomonas aeruginosa	150
Pseudomonas malodorans	200	Escherichia coli	150
Pseudomonas fluorescens	250	Candida albicans	250
Penicillium	600	Aspergillus niger	600

Storage

The product should be stored in dry condition between 5~35°C with the integrity of the packaging, and prevented from direct sunlight. This product should not be in contact with reducing metals (such as metal iron, aluminum, etc.) during storage, and should not be in contact with oxidizing or reducing substances. The validity of this product is for 12 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

Disclaimer

Foshan Shunde Infinechem Co., Ltd. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.