

ACTOMAX® B20

JAN 2025

Product Description

ACTOMAX® B20 is a zero VOC aqueous solution containing 5% 1,2-Benzisothiazolin-3-one (BIT) with a broad-spectrum activity for the preservation of water-based products against spoilage from bacteria, yeasts and molds.

Typical Applications					
	Pigment Dispersion	Emulsion Paint	Water-based Adhesives	Printing Ink	Polymer Emulsions

Antimicrobial Activity

BACTERIA	<i>Bacillus subtilis</i> <i>Alcaligenes faecalis</i> <i>Escherichia coli</i> <i>Corynebacterium</i> <i>Staphylococcus aureus</i> <i>Klebsiella pneumoniae</i> <i>Proteus vulgaris</i> <i>Salmonella typhi</i>
MOLDS	<i>Alternaria alternata</i> <i>Aspergillus niger</i> <i>Chaetomium globosum</i> <i>Penicillium citrinum</i> <i>Sclerophoma pityophila</i> <i>Rhizopus oryzae</i> <i>Trichophyton mentagrophytes</i> <i>Geotrichum candidum</i>
YEAST	<i>Candida albicans</i> <i>Rhodotorula rubra</i> <i>Saccharomyces cerevisiae</i>

Physical Properties

Chemical Composition	Aqueous solution of 5% BIT	Working Stability	Temperature up to 100 °C pH range 2 - 12
Appearance	Clear yellow to amber liquid	Solubility	Miscible with water, glycols
pH @ 25°C	11 - 13	Density @ 25°C	1.035 ± 0.02 Kg/L
Boiling point	100°C	Viscosity @ 25°C	9 - 12 sec (FORD CUP 4)

Dosage

Apply ACTOMAX® B20 @ 0.05 - 0.30 %.
The level required to protect any particular system depends on a variety of factors:

- Initial level of microbiological contamination.
- The components of the system.
- Residual reducing and oxidizing agents.
- Temperature and pH of the system.

Directions For Use

For best results, ACTOMAX® B20 should be added at the end of the production process.

ACTOMAX® B20 can be added during grinding, mixing and high temperature polymerization

Safe Handling Information

Use biocides safely. Always read the label and MSDS before use.

Storage

Stable under normal conditions of storage down to 0°C. If frozen, allow to thaw and stir well before use. Active agents are heat-stable.

Packaging

 30/25 kg Jerry can	 1000 kg IBC Tank	 +3 Tons Refill & Go
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Shelf Life | 24 Months