



VINKOCIDE™ MIT

-Broad spectrum preservatives-

VINKOCIDE™ MIT are formulations of **Methylisothiazolinone** and are

- ▶ ideal for use in aqueous and water miscible systems
- ▶ broad antimicrobial spectrum against bacteria, fungi and yeasts
- ▶ free from formaldehyde, formaldehyde releasers, halogens, phenolics or heavy metals
- ▶ excellent chemical stability
- ▶ non-volatile
- ▶ excellent long-term efficacy
- ▶ good compatibility with other raw materials
- ▶ low sensitizing potential

Characteristic properties:

- Soluble in water and many organic solvents
- High physico-chemical stability
- Compatible with non-ionic and anionic surfactants

VINKOCIDE™ MIT biocides meet the highest purity standards. Impurities are often the cause of undesired side effects in terms of toxicological or technical properties. Also the efficacy can be influenced by impurities. These are reduced to a minimum in VINKOCIDE™ MIT.

VINKOCIDE™ MIT penetrates the cells of microorganisms, reacts with vital parts of the cell and inactivates important substrates and enzymes necessary to normal cell function. These relatively unspecific reactions prevent the development of microbial adaptation.

VINKOCIDE™ MIT prevents microbial deterioration of products and the resulting effects such as:

- phase separation
- odour build up
- gas build up
- changes in viscosity
- build up of health threatening toxins



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Microbial efficacy of the active ingredient:

		mic /ppm
Bacteria	Pseudomonas aeruginosa	40
	Escherischia coli	20
	Staphylococcus aureus	100
	Proteus vulgaris	25
Fungi, Yeasts	Aspergillus niger	750
	Penicillium funiculosum	200
	Saccharomyces cerevisiae	150
	Candida albicans	100

Application:

VINKOCIDE™ MIT is highly suitable for the preservation of a wide variety of aqueous products due to its good properties. Experience shows that compatibility with most products and raw materials is excellent, but we recommend to test the compatibility in individual formulations.

VINKOCIDE™ MIT 10 contains 10 % active ingredient

VINKOCIDE™ MIT 20 contains 20 % active ingredient

VINKOCIDE™ MIT 50 contains 50 % active ingredient

Under normal use patterns, the following concentrations are sufficient in most applications:

VINKOCIDE™ MIT 10 0,1 – 0,3 % as bactericide, 0,2 – 0,4 % as fungicide

VINKOCIDE™ MIT 20 0,05 – 0,15 % as bactericide, 0,1 – 0,2 % as fungicide

VINKOCIDE™ MIT 50 0,02 – 0,06 % as bactericide, 0,04 – 0,08 % as fungicide

Recommended Applications:

In can preservation:

- Dispersion paints
- Dispersion plasters
- Polymer dispersions
- Adhesives, glues
- Sealants
- Kaolin-, chalk-, starch slurries
- Pigment slurries
- Household and cleaning products
- Wax emulsions
- Metal working fluids
- Cooling water
- Slimicides
- Cellulose and paper production
- Oil field applications
- Concrete
- Building materials
- Fountain solutions

Packaging: 25 kg, 200 kg, 1000 kg

Shelf life: 24 months

