



VINKOCIDE™ ECO 26

-Broad spectrum preservatives-

PRODUCT FEATURES

Vinkocide™ ECO 26 are formulations of **5-Chloro-2-methyl-2H-isothiazol-3-one (CIT) / 2-Methyl-2H-isothiazol-3-one (MIT)** with **Formaldehyde**

Synonyms of 5-Chloro-2-methyl-2H-isothiazol-3-one: 5-chloro-2-methyl-4-isothiazolin-3-one, CIT
synonyms of 2-Methyl-2H-isothiazol-3-one: 2-Methyl-4-Isothiazolin-3-one, MIT.

- ▶ ideal for use in aqueous and water miscible systems
- ▶ broad antimicrobial spectrum against bacteria, fungi and yeasts
- ▶ often effective where other preservatives fail
- ▶ very effective against gram- bacteria
- ▶ cost effective due to low use levels
- ▶ combines excellent long-term efficacy with the rapid mode of action of CIT/MIT
- ▶ good head space protection

Vinkocide™ ECO 26 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™ ECO 26 prevents microbial deterioration of products and the resulting effects such as:

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

As it contains formaldehyde **Vinkocide™ ECO 26** gives also headspace protection in all types of in-can preservation.



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Minimum inhibition concentrations:

		MIC / ppm CIT/MIT	MIC / ppm Formaldehyde
Bacteria	Escherischia coli	9	45
	Klebsiella pneumoniae	9	
	Pseudomonas aeruginosa	9	60
	Staphylococcus aureus	11,5	20
Fungi, yeasts	Aspergillus niger	9	300
	Candida albicans	9	1000
	Chaetomium globosum	11,5	70
	Penicillium funiculosum	9	
	Penicillium glaucum		750

APPLICATION NOTES

Vinkocide™ ECO 26 has a rapid mode of action. The optimum pH is 3 - 10. Experience shows that compatibility with most products and raw materials is good, but we recommend testing the compatibility in individual formulations. High pH (> 9) or the presence of certain sulfur containing compounds like mercaptane or dithionite can limit the stability of CIT/MIT, especially at high temperatures above 45 °C.

Under normal use patterns concentrations (w/w) of 0.05 – 0.20 % are sufficient in most applications.

Storage conditions: Keep away from freezing, heat and direct sun. Store in original package at room temperature.

Packaging: 25 kg, 200 kg, 1000 kg

Shelf life: 12 months



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Recommended Applications:

Products used for the disinfection of air, surfaces, materials, equipment and furniture which are not used for direct food or feed contact in private, public and industrial areas, including hospitals, as well as products used as algacides.

- Waterbed fluids
- chemical toilets
- wastewater
- cut flowers cling agent

Products used for the preservation of manufactured products, other than foodstuffs or feedingstuffs, in containers by the control of microbial deterioration to ensure their shelf life.

- | | |
|--------------------------------------|-----------------------|
| ➤ dispersion paints | ➤ printing inks |
| ➤ dispersion plasters | ➤ polymer dispersions |
| ➤ Adhesives, Glues | ➤ sealants |
| ➤ Kaolin-, chalk-, starch-slurries | ➤ Pigment slurries |
| ➤ Cleaning- and household Products | |
| ➤ Industrial cleaners and detergents | ➤ Car care products |
| ➤ wax emulsion | ➤ concrete additives |
| ➤ building materials | ➤ Leather and textile |
| ➤ fountain solutions | |

Products used for the preservation of water or other liquids used in cooling and processing systems by the control of harmful organisms such as microbes, algae and mussels.

- Cooling and processing systems
- Air-conditioning systems
- oil production

Products used for the preservation of metalworking fluids by the control of microbial deterioration.

- Metal working fluids

Vinkocide™ ECO 26 products are not allowed within the EU.

Our recommendations regarding our products are given in good faith, but imply no corresponding liability. Our Conditions of Sales and Supply apply in all other respects.

Use biocides safely. Always read the label and product information before use.

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