



VINKOCIDE™ BIT 10
VINKOCIDE™ BIT 20
-broad spectrum preservatives-

VINKOCIDE™ BIT - products are based on the active ingredient **1,2-Benzisothiazolin-3-one**.

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

VINKOCIDE™ BIT - products prevent microbial deterioration of products and the resulting effects such as:

- phase separation
- foul odor
- gas formation
- change of viscosity
- formation of health threatening toxins

Microbial inhibition concentrations:

		MIC / ppm
Bacteria	Pseudomonas aeruginosa	50
	Pseudomonas putida	50
	Escherischia coli	8
	Enterobacter cloacae	16
	Staphylococcus aureus	8
	Streptococcus lactis	3
	Proteus vulgaris	9
Fungi, yeasts	Aspergillus niger	70
	Chaemotomium globosum	80
	Penicillium funiculosum	25
	Saccharomyces cervisiae	50
	Candida albicans	20



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Applications:

In many cases **1,2-Benzisothiazolin-3-one** can be used as the only preservative. Depending on the conditions and applications it can be useful to combine it with other biocides to enhance the fungicidal efficacy.

VINKOCIDE™ BIT – products are highly suitable for the preservation of a wide variety of aqueous products due to their good properties:

- good stability at high pH
- good stability at high temperatures
- low sensitization potential

Experience shows that the compatibility with most products and raw materials is excellent, but we recommend testing the stability in individual formulations.

Product selection:

VINKOCIDE™ BIT 10 is an aqueous, alkaline solution with 10 % 1,2-Benzisothiazolin-3-one.

VINKOCIDE™ BIT 10G is an aqueous-glycolic solution with 10 % 1,2-Benzisothiazolin-3-one.

VINKOCIDE™ BIT 20D is an aqueous dispersion with 20 % 1,2-Benzisothiazolin-3-one with a low pH.

VINKOCIDE™ BIT 20G is an aqueous-glycolic solution with 10 % 1,2-Benzisothiazolin-3-one.

Under normal use patterns, concentrations of 0,05 – 0,2 % for a 20 % product and 0,1 – 0,4 % for a 10 % product are sufficient in most applications.

VINKOCIDE™ BIT 10	0,1 – 0,4 %
VINKOCIDE™ BIT 10G	
VINKOCIDE™ BIT 20D	0,05 – 0,2 %
VINKOCIDE™ BIT 20G	



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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
- Concrete additives
- Metal working fluids
- Cooling water
- Water bed fluids
- Slimicides
- Cellulose and paper production
- Flotation
- Oil field applications
- Building materials
- Leather and textile
- Fountain solutions

Packaging: 25 kg, 200 kg, 1000 kg

Shelf life: 6 months (BIT 20D), 12 months (BIT 10), 24 months (BIT 10G, BIT 20G)

Regulations:

EU: For the active ingredients the transitory periods of the biocidal products directive 98/8/EC are valid. A product dossier will be done under the biocidal products regulation. Intended applications: PT 6,11,12,13

Meets the requirements of
European Flower 2009/544/EC (indoor paints and varnishes)
2009/543/EG (outdoor paints and varnishes)

EU-national: please ask us

Germany: BauA: See product label
Meets BfR XIV. (Plastics Dispersions)
Meets BfR XXXVI. (Paper and board for food contact)
Meets RAL UZ 102 (low emission paints)
Meets RAL UZ 12a (low emission varnishes)
WGK: 2



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Australia:	The active ingredients are listed in the inventory of chemical substances AICS	
China:	The active ingredients are listed in the inventory of chemical substances IECSC	
Japan:	The active ingredients are listed in the inventory of chemical substances ENCS	
Korea:	The active ingredients are listed in the inventory of chemical substances KECI	
Philippinen:	The active ingredients are listed in the inventory of chemical substances PICCS	
USA:	Meets FDA 21CFR	175.105 (adhesives with food contact) 176.170 (components of paper and paperboard in contact with aqueous and fatty food) 176.180 (components of paper and paperboard in contact with dry food) 176.300 (paper slimicides)

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

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.