



Bayamondo

(S.R.L)

BAYA BIT 20

broad spectrum preservative

PRODUCT FEATURES

BAYA BIT 20 is 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

BAYA BIT 20 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	<i>Pseudomonas aeruginosa</i>	50
	<i>Pseudomonas putida</i>	50
	<i>Escherischia coli</i>	8
	<i>Enterobacter cloacae</i>	16
	<i>Staphylococcus aureus</i>	8
	<i>Streptococcus lactis</i>	3
	<i>Proteus vulgaris</i>	9
Fungi, yeasts	<i>Aspergillus niger</i>	70
	<i>Chaetomium globosum</i>	80
	<i>Penicillium funiculosum</i>	25
	<i>Saccharomyces cerevisiae</i>	50
	<i>Candida albicans</i>	20



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APPLICATION NOTES

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.

BAYA BIT 20 is highly suitable for the preservation of a wide variety of aqueous products due to their good properties:

- good stability at high pH (3-13)
- good stability at high temperatures

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

Product selection:

BAYA BIT 20 is an aqueous-glycolic solution with 20 % 1,2-Benzisothiazolin-3-one.

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

BAYA BIT 10	0,1 – 0,4 %
BAYA BIT 11	
BAYA BIT 20	0,05 – 0,2 %

Storage conditions: Prevent from freezing and keep away from high temperatures and direct sunlight. Store in original package at room temperature.

Packaging: 25 kg, 200 kg, 1000 kg



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Shelf life:

24 months (BAYA BIT 20)

Recommended applications:

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

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

Technical Specifications:

Appearance: Yellow to brownish liquid

Density : 1.14 ± 0.20 g/cc

Full Stability in water

Stability PH : 3 – 13

Glycol contents : 50 – 60%

Sodium hydroxide: 5 – 7%

BIT Content : 19 – 21%

CAS Number: 2634-33-5



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EU:	For the active ingredients the transitory periods of the biocidal products regulation 528/2012/EC are valid. Intended applications: PT 6,11,12,13. <u>Make sure that the biocide is allowed for any further downstream uses.</u>
EU-national:	please ask us
Germany:	please ask us
Italy :	please ask us
Australia:	The active ingredients are listed in the inventory of chemical substances AICS
Canada:	The active ingredients are listed in the inventory of chemical Substances DSL
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 KECl
New Zealand:	The active ingredients are listed in the inventory of chemical substances NZIOC
Philippines:	The active ingredients are listed in the inventory of chemical substances PICCS
Taiwan:	The active ingredients are listed in the inventory of chemical substances NECl
USA:	The active ingredients are listed in the inventory of chemical substances TSCA

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.

Some of our biocide formulations are region specific please check with our team if they are available in your region.

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