

BACTOFUN D-7

USES

For the preservation of aqueous coatings, polymer dispersions, filler suspensions, solutions and dispersions of adhesives and thickeners, concrete additives, oil emulsions, polishes etc. For the preservation of surfactants, cleaners and disinfectants.

CHEMICAL AND FISICAL DATA

Composition:	Aqueous, formaldehyde-free formulation of various isothiazolinones
Description:	Clear, yellow to green, almost odourless liquid.
Specification	
Assay of isothiazolinones (HPLC):	Min. 1.5
*specification values are subject to constant monitoring. Only data given in the current edition of the "Specification" are binding.	
Characteristic data:	
Density (20 °C)	Aproxx. 1.02 g/cm ³
Vapour pressure (20°C)	Aproxx. 23 mbar
Vapour pressure (50°C)	aprox. 121 mbar
Solidification point:	Aproxx. -1 °C
Boiling point:	Aproxx. 100 °C
Flash point:	>100 °C (DIN 51755)
Solubility:	Miscible with water and lower alcohols
** Characteristic data provide further informations about the product and are not subject to constant monitoring. They are therefore not binding.	

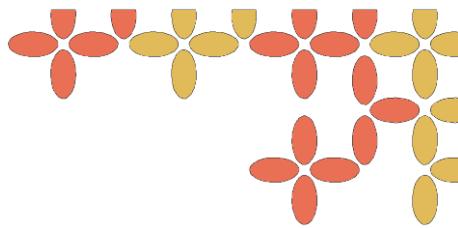
Oficina

Av. Neptuno No.33
 Col. Arcos de la Hacienda. Cuautitlán Izcalli, EdoMex. C.P. 54730
 Telefonos: 52+ 555896-4534 / 555889-4446 / 555889-4422
www.ameripolchemical.com
 E-mail: direccion@ameripolchemical.com.mx

almacen y planta

A.V uno norte No.15
 Bodega 1C Parque industrial Cartagena
 Tultitlán Edo. De Mexico
 C.P. 54934 Tel. 58882286





Storage

If correctly stored and kept in the original sealed package at room temperature the shelf life is 1 year.

The product should be protected from heat (temperature should not exceed 40 °C) and from frost.

Applications

With a broad spectrum of activity, good solubility in water and low acute toxicity, Bactofun D7 is a versatile preservative which is easy to use.

Bactofun D7's spectrum of activity covers bacteria, including formaldehyde-resistant species, fungi, yeast and algae.

Bactofun D7 can be incorporated at any stage of the production process but is best added to the feedwater first. If higher temperatures (>40°C) or pH (<9) values are likely to occur during the manufacturing process, the product should be added at the end process, however. In this case take care to homogeneously distribute the preservative within the product to be protected. Because of its low viscosity, in the most cases Bactofun D7 can be used undiluted.

The product can also be unproblematic pre-dissolved in water, alcohols or alcohol/water mixtures. The use of Bactofun in the preservation of aqueous formulations does not generally cause any undesirable side-effects. In contrast to preservatives containing active ingredients which split off formaldehyde, Bactofun D7 is highly suitable for the preservation of products which contain protein (e.g. casein).

It is advisable to carry out compatibility tests before Bactofun D7 is used in new products or applications.

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