



Chemipol

BIOPOL® KF 15 N

Preservative for waterborne technical products

Characteristics

BIOPOL KF 15 N is a broad spectrum biocide based on aqueous formulation of CMIT/MIT, OIT, N- and O-formals.

It is suitable for protection of water based products against bacteria and fungus growth. It has very good effectiveness in the head space protection.

The balance of its active ingredients reduces the risk of contact allergic.

Applications and doses

BIOPOL KF 15 N is an excellent preservative to control bacteria and fungi development in all kind of waterborne technical products such as dispersion paints, dispersion plasters, polymer emulsions, glues, adhesives, sealants, construction chemicals and others.

The optimum dose of BIOPOL KF 15 N as preservative should be determined by the means of challenge tests in our laboratories, but we can recommend a dose between 0,05 and 0,25 % depending on the application.

Technical data

Appearance	Clear liquid colourless or slightly yellow
Odour	Characteristic
Density (20 °C)	1.13 ± 0.02
pH	3.0 – 5.0
Solubility	Miscible in water

Use guidelines

BIOPOL KF 15 N is fully soluble in water and usual polar solvents. It is stable in pH between 3 and 9 and temperatures up to 60 °C. It is recommended its addition in an early production stage. Beware with pH and temperature. Avoid strong redox conditions.

Effectiveness

BIOPOL KF 15 N has shown its effectiveness against the following microorganisms among others.

Bacteria

Bacillus subtilis
Escherichia coli
Pseudomonas aeruginosa
Staphylococcus aureus
Pseudomonas fluorescens

Fungus and yeasts

Candida albicans
Aspergillus niger
Saccharomices cerevisiae

General information on storage, safety and transport

BIOPOL KF 15 N is classified as a dangerous product for transport, being labelled as Corrosive, C. For further information refer to the material safety data sheet.

Protect from frost, heat and direct sunlight. Store at room temperature in the original container. If well stored, its shelf life is 1 year. Available packaging is 60 and 1000 KG.

Our recommendations regarding our products are based on in-depth tests developed by our Technical Department. They are given in good faith, but no liability can be derived from them.

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

