
Technical Information Sheet

Paint and Coating Additives

Bactericide and Preservative for Aqueous Systems

MERGATIL 90-K

Mergatil 90-K is a formaldehyde-free, VOC-free, fast-acting, effective, liquid in-can preservative with a broad-spectrum of activity against bacteria, yeasts and molds, designed for protection of aqueous systems. It provides an excellent headspace protection. Intended for use in aqueous products with a range of pH 3-9.

NOTE!!!

Mergatil 90-K must be added in 45 - 47°C to the product (Process) and more than this temperature isn't allowed. Maximum temp. for thermal stability is 50°C.

Properties:

Appearance : Clear watery liquid
Nature : 5-Chloro-2-Methyl-4-Isothiazolin-3-One
2-Methyl-4- Isothiazolin-3-One
Chemical Formula: C₄H₄ClNOS ; C₂H₅NOS
pH : 4.5 ± 1
Density : 1.01 gr/cm³
Packing : 50 or 200 Kg drums

Application & Recommendations:

Mergatil 90-K is a microbiocide that is effective against bacteria, yeasts, molds and algae. It is used as an industrial microbiocide for adhesives, building materials, pigment dispersions, emulsions, paints and coatings.

Isothiazoline derivatives are effective biocides (antiseptic agents, preservatives, bactericides, slimicides, fungicides). The biggest application is in paint industry especially marine antifouling agent.

Mergatil 90-K is widely used in adhesives, cutting oils, water systems, cosmetics, household goods and wound protectant for pruning cuts. They are also used as pulp and wood impregnating agents as well as in leather, fur and polymer process.

It is best if **Mergatil 90-K** is added to the initial phase of production; however, if excessive temperatures or pH values occur, addition at the end of the manufacturing process is recommended.

Typical usage rates are 0.01-0.30% grm per ltrs based on the total weight of the formulation.

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NOTE: According to our best knowledge and technical experiments, above data is true and accurate. With regard to different application methods, it is strongly recommended to evaluate the information before final application.