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HAJCIMA 586 Industrial Microbicide

Description

HAJCIMA 586 microbicide is a broad spectrum preservative for water-based industrial products and raw materials.

Active Ingredients

5-Chloro-2-methyl-4-isothiazolin-3-one (CMIT), 2-Methyl-4-isothiazolin-3-one (MIT) and 2-Bromo-2-nitropropane-1,3-diol (bronopol).
(in manufacture of food contact paper or paperboard)

Physical and Chemical Properties

These properties are typical but do not constitute specifications.

Composition	Water based solution of 1.1% CMIT/MIT and 7.5% bronopol
Appearance	Colorless to light yellow liquid
pH	4
Water solubility	Completely soluble

Features and Benefits

Features	Benefits
Broad spectrum activity	Controls a wide range of bacteria and fungi
Fast acting	Reduces production down time and delays due to contamination
Two different modes of biocidal Activity	Added protection against tough microbes found in manufacturing environments
Liquid formulation	Ease of handling and incorporation
Enhanced stabilization of CMIT component	Improves length of preservation in some systems
Monovalent stabilization	Avoids incompatibilities such as gel formation caused by divalent metal ions
VOC-free formulation	Does not contribute to VOC content in final formulation

HAJCIMA 586 Microbicide is an effective preservative in most aqueous compositions. The concentration required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which microorganisms can gain access, the species involved, pH, temperature, and length of time for which protection is required. Trials at different concentrations are recommended. Suggested use levels of HAJCIMA 586 Microbicide are shown below.

Type of Material	% HAJCIMA 586 Microbicide To Use For preservation
Adhesives and Tackifiers	0.05 to 0.225%
Aqueous Slurries of Pigments	0.05 to 0.225%
Building Materials	0.05 to 0.225%
Fountain Solutions	0.05 to 0.225%
Industrial Water	0.05 to 0.225%
Paint and Coatings	0.05 to 0.225%
Polymer Latices	0.05 to 0.45%
Printing Inks	0.05 to 0.225%
Industrial Cooling Water and Air Washers	See label for initial dose and subsequent dose levels

Formulation Compatibility

HAJCIMA 586 is completely miscible with aqueous systems and easily dispersed upon addition.

Stability

HAJCIMA 586 is stable up to 40°C.

Handling

Please refer to the safety data sheet of this product for precise handling instructions. The processing and use of industrial chemicals require adequate technical and professional knowledge.

In general, avoid eye and skin contact, wear safety goggles, gloves, and protective clothing. In case of eye or skin contact, despite precautionary measures, wash immediately and thoroughly with plenty of warm water and obtain medical attention.

Storage

HAJCIMA 586 should be stored at room temperature in tightly sealed original containers. Protect from sunlight and heat.