

ROCIMA™ 586 Industrial Microbicide (EPA Registration: 707-315)

Description

ROCIMA 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).

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
FDA and BfR clearances	Enables global formulations

U.S. Regulatory Clearances

ROCIMA 586 Microbicide is registered with the U.S. Environmental Protection Agency and has been granted EPA registration No. 707-315.

The active ingredients used in the manufacture of ROCIMA 586 comply with the following FDA clearances:

- 21 CFR 175.105, as a preservative of adhesives
- 21 CFR 176.170, as component of paper and paperboard in contact with aqueous and fatty food
- 21 CFR 176.180, as component of paper and paperboard in contact with dry food
- 21 CFR 176.300, slimicides (in manufacture of food contact paper or paperboard)

Directions For Use

This product is an EPA registered microbicide. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

ROCIMA 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 ROCIMA 586 Microbicide are shown below.

Type of Material To Be Preserved	Lbs of ROCIMA 586 Microbicide To Use Per 1,000 Lb of Material To Be Protected
Adhesives and Tackifiers	0.5 to 2.25 lb (0.05 to 0.225%)
Aqueous Slurries of Pigments	0.5 to 2.25 lb (0.05 to 0.225%)
Building Materials	0.5 to 2.25 lb (0.05 to 0.225%)
Fountain Solutions	0.5 to 2.25 lb (0.05 to 0.225%)
Industrial Cooling Water and Air Washers	See label for initial dose and subsequent dose levels
Industrial Water	0.5 to 2.25 lb (0.05 to 0.225%)
Paint and Coatings	0.5 to 2.25 lb (0.05 to 0.225%)
Polymer Latices	0.5 to 4.5 lb (0.05 to 0.45%)
Printing Inks	0.5 to 2.25 lb (0.05 to 0.225%)

Formulation Compatibility

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

Stability

ROCIMA 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

ROCIMA 586 should be stored at room temperature in tightly sealed original containers. Protect from frost and heat. Any supplies which do freeze must be mixed thoroughly after thawing before they can be used without any loss in efficacy.

ROCIMA is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates. The Company's policy is to register its trademarks, where products designated thereby are marketed by the Company, its subsidiaries or affiliates.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for uses of our products or the inclusion of descriptive material from patents and the citation of specific patents in this publication should not be understood as recommending the use of our products in violation of any patent or as permission or license to use any patents of the Rohm and Haas Company.

