



ROCIMA™ 607 Biocide

Wet-State Preservative for Paints and Lacquers and Related Products

General

ROCIMA™ 607 Biocide is a flowable, stable, aqueous dispersion of active ingredients for the storage preservation of technical products.

ROCIMA 607 is a preparation providing a broad spectrum of activity against bacteria and fungi commonly occurring in the field of application. Additionally, the risk of growth of resistant strains can be minimized.

ROCIMA 607 is a preparation of 1,2-Benzisothiazolin-3-one and Bronopol.

Physical Properties

The following are typical properties of ROCIMA™ 607 Biocide; **they are not to be considered product specifications.**

Appearance:	Flowable, off-white to yellow/brownish dispersion
Density 20°C:	1.10 ± 0.05 g/mL ISO 2811-3
Particle size:	Max. 30 µm ISO 1524
Viscosity n 20°C:	70 ± 30 KU ASTM D-562
Flash point:	> 150°C o.c. Cleveland ISO 2592

Miscibility/Solubility

Miscible with water; not miscible with water-insoluble organic solvents. Practically insoluble in water and organic solvents.

Stability

Temperature: up to 40°C (short period to 60°C)
 pH range: 4 to 11 (bronopol has a decreasing stability as pH increases)

Application and Activity

ROCIMA™ 607 Biocide is especially suited for the preservation of paints and coatings, however, it can also be used in other technical, aqueous products such as polymer emulsions, mineral dispersions, adhesives and sealants, liquid cleaners, floor polishes, surfactants, and printing inks.

ROCIMA 607 shows a broad spectrum of activity against bacteria and fungi commonly found in the field of application.

ROCIMA 607 complies with several food contact legislations of the European Union and of the Food and Drug Administration (FDA) of the USA. The environmental characteristics of neither active ingredients nor other constituents of ROCIMA 607 would trigger the refusal of an EU environmental label of the preserved product at recommended use rates.

ROCIMA 607 is formulated with solvents and additives that are VOC-free according to EU regulations. For up-to-date information on regulatory issues contact your Dow representative or liaise with our Product Integrity Department.

The number of technical products being preserved with ROCIMA 607 is increasing steadily and it is not always possible to predict its suitability. The optimum dose should be established by preliminary experiments.

Dosage

ROCIMA™ 607 Biocide is added at use rates between 0.1% and 0.4% (w/w). According to our experience a typical addition rate between 0.15 and 0.25% of ROCIMA 607 in the finished formula provides a very good protection in most cases.

The amount of a preservative to be added is dependent on the susceptibility of the raw materials against microbial spoilage and their level of contamination. The amount of preservative used can be minimised by observing hygienic conditions in the storage of raw materials, during production, filling processes and subsequent warehousing.

Our Biological and Technical Laboratories can give you professional advice when ever necessary.

Handling and Storage

Handling

Please refer to the Safety Data Sheet (SDS) 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.

The legal requirements prevailing in your country, especially on working hygiene and in the avoidance of accidents, must be observed.

Storage

ROCIMA™ 607 Biocide should preferably be stored at room temperature and in tightly closed original containers. Protect from frost. Any supplies which do freeze must be mixed homogeneously after thawing before they can be used, no loss in effectiveness will be experienced.

Biocidal Products Directive Compliance

ROCIMA™ 607 Biocide is a biocidal product intended for use in accordance with product type 6 (In-can Preservation) of the Biocidal Product Directive 98/8/EC (BPD).

Product Stewardship

When considering the use of any Dow product in a particular application, review the latest Safety Data Sheet (SDS) and country-specific product label to ensure the intended use is within the scope of approved uses. Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including Safety Data Sheets (SDS), should be consulted prior to use of Dow products. Current Safety Data Sheets are available from Dow.

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