

ROCIMA™ 243 Biocide

Preparation against mould and algae

General Description

ROCIMA 243 Biocide is a liquid biocide formulated to combat fungi and algae both in water and solvent-based, pigmented and clear products; such as, glues, adhesives, paints, lacquers, etc.

ROCIMA 243 is designed for the treatment of emulsion paints and plasters. The controlled migration rate allows effective protection against fungal and algal growth and, therefore, offers a substantial contribution to the prevention of secondary infection.

ROCIMA 243 is subject to limitations in application in the European Union countries due to the ordinances of the Biocidal Product Directive 98/8/EC. See the paragraph "Biocidal Products Directive Compliance" for background information.

Composition and Technical Data

These values do not constitute specifications.

Composition: octylisothiazolone solution

Appearance	Colourless to yellowish, clear liquid	
Colour (Gardner)	Max. 2	ISO 4630
Density 20°C	0.961 ± 0.01 g/ml	ISO 2811-3
Refractive index n_{D}^{20}	1.440 ± 0.006	ASTM D 1218-02
Viscosity η 20°C	<25 mPa.s	ISO 2555
Resistance to cold	no crystallisation down to -30°C	
Flash point	90°C o.c. Cleveland	ISO 2592

Typical Properties

Miscibility/Solubility

Clearly miscible in all proportions with organic solvents; such as, alcohols, ketones, aromatics. Miscible with water, with the formation of a white emulsion.

Application and Activity

ROCIMA 243 is a very effective fungicide for paint film protection which can also be used in wood coatings. It has a broad range of activity against the micro-organisms prevailing in this field of application.

ROCIMA 243 is liquid and, consequently, easy to incorporate into the final product.

ROCIMA 243 may be combined in coatings with other fungicides like ROCIMA 320 or ROCIMA 321.

This is recommended when an applied film is exposed to humidity over a prolonged period or in continually humid surroundings.

ROCIMA 243 may be added at any phase of production, provided thorough mixing is guaranteed. Should the manufacturing process involve heating of the product, it is advisable to add ROCIMA 243 after cooling down at the end of the process.

The great variety of systems, raw materials and manufacturing conditions make it generally advisable to check compatibility before starting to use any new ingredient.

Should you encounter microbial problems or problems concerning applications, please contact your Rohm and Haas representative for assistance.

Occupied rooms, treated with paints containing ROCIMA 243 should not be used during the drying time.

Dosage

The optimum dosage depends upon various factors and can only be established after practical tests have been carried out. Therefore, the concentrations given below should only be taken as a general guideline:

Paints	1.0 - 3.0%
Structural coatings	0.3 - 1.0%
Wood coatings	1.5 - 3.0%

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.

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

Storage

ROCIMA 243 Biocide should be stored in tightly sealed original containers, protected from direct heat, and preferably at room temperature.

Biocidal Products Directive Compliance

ROCIMA 243 is a biocidal product intended for use in accordance with product type 7 (Film protection), with product type 6 (in-can preservation) and with product type 10 (Masonry preservatives) of the EU Biocidal Product Directive.

ROCIMA 243 contains an active substance that is not notified for the use in product type 8 (wood preservatives) and, therefore, its usage in this application is not supported under the BPD.

Caution

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

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