

ROCIMA™ 343 Biocide Fungicidal and Algicidal Preparation for Dry-Film Protection in Coatings

Description

ROCIMA 343 biocide is a liquid fungicide and algicide for use in water and solvent-based, pigmented and clear products such as glues, adhesives, paints, etc.

This newly formulated version of ROCIMA 343 is free of aromatic solvents and surfactants and can be used to formulate VOC-free systems.

ROCIMA 343 is especially 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 343 is an ideal additive to supplement in-can preservatives, if an aqueous product needs to be protected additionally against the growth of yeasts and moulds.

Composition and Technical Data

These properties are typical but do not constitute specifications.

Composition: octylisothiazolone solution

Appearance	Colorless to yellowish, clear liquid	
Colour (Gardner)	Max. 3	ISO 4630
Density 20°C	1.116 ± 0.01 g/ml	ISO 2811-3
Refractive index n	1.461 ± 0.005	ASTM D 1218-02
Viscosity η 20°C	50 ± 20 mPas	ISO 2555
Resistance to cold	No crystallisation down to -10°C	
Flash point	> 150°C o.c. Cleveland	ISO 2592

Typical Properties

Miscibility/Solubility

Soluble in alcohols, ketones, glycol ethers, esters, chlorinated hydrocarbons, dimethyl formamide, n-methyl pyrrolidone and dimethyl sulfoxide.

Practically insoluble in water, aliphatics and oils.

Application and Activity

ROCIMA 343 is a protective agent with a very broad spectrum of activity against moulds, yeasts and algae.

ROCIMA 343 is used as a fungicidal and algicidal additive for paints to be applied on mineral substrates and also for wood coatings. It may be combined with other fungicides and algicides, where it provides a booster effect. This is recommended if the applied film is exposed to humidity over a prolonged period or in continually humid surroundings.

ROCIMA 343 is also suitable as a fungicidal supplement to mainly bactericidal in-can preservatives. It is especially indicated in aqueous products with an acidic to slightly alkaline pH and in viscous preparations like plasters, fillers, glues and pigment pastes, where an additional protection of the phase against growth of yeasts and moulds may be necessary.

ROCIMA 343 being a liquid disperses readily in the final product, which gives a homogeneous distribution in the dry film. ROCIMA 343 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 343 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.

Occupied rooms, treated with paints containing ROCIMA 343 biocide 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 only:

Emulsion paints	1.0-3.0%
Plasters	0.3-1.0%
As fungicidal supplement in the aqueous phase	0.05-0.2%

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

Biocidal Products Directive Compliance

ROCIMA 343 is a biocidal product intended for use in accordance with Product Type 7 (Film Preservation) of the Biocidal Products Directive 98/8/EC (BPD).

Caution

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

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