



## ROCIMA™ 252 Biocide

### High Performance Film Preservative for Solvent-Based Paints and Lacquers

#### Description

ROCIMA 252 Biocide is used as film preservative, preferably in solvent based systems, to prevent surface growth of fungi and algae.

ROCIMA 252 Biocide is a unique and patented combination of active ingredients in liquid form and provides a very broad spectrum of activity against all types of fungi and algae that are commonly occurring on coating films.

#### Composition and Technical Data

**Composition:** Patented preparation of dichlorooctylisothiazolone and iodopropynylbutylcarbamate.

#### Typical Properties

These properties are typical but do not constitute specifications.

Appearance	Yellow-brownish liquid	
Color (Gardner)	max. 8	ISO 4630
Density 20°C	1.138 ± 0.01 g/cm <sup>3</sup>	ISO 2811-3
Refractive Index n <sub>D</sub> <sup>20</sup>	1.538 ± 0.005	ASTM D 1218-02
Viscosity 20°C	15 ± 10 mPa.s	ISO 2555

#### Miscibility/Solubility

Clearly miscible with commonly used organic solvents.

#### Application and Activity

ROCIMA 252 Biocide is an effective microbicide combination for use in solvent-based coatings like paints and varnishes.

ROCIMA 252 Biocide consists of a patented combination of active ingredients and combines a very broad and balanced spectrum of activity against surface moulds with a long term protection.

ROCIMA 252 Biocide also provides a protection against algae which is sufficient for most applications and it is therefore suitable to be used as the sole agent to protect the coating film from growth. It may be combined with additional microbicides, i.e., algicides to improve its performance in severe cases.

Good long term activity of the coating cannot be achieved by the biocide alone. The formulation of the paint system, as well as the correct dosage of ROCIMA 252 Biocide, are essential prerequisites.

If, due to faulty construction, the surfaces to be coated are permanently damp, remedial work must be done to correct this before a successful application of ROCIMA 252 Biocide based end use formulations.

ROCIMA 252 Biocide is in the form of a clear liquid and therefore easy to incorporate into the final preservative formulation. A uniform and homogeneous distribution can be obtained by simple, but thorough stirring.

ROCIMA 252 Biocide can 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 252 Biocide after cooling down at the end of the process.

ROCIMA 252 Biocide is remarkably versatile with regard to its fields of application and the possibilities for processing. We recommend, therefore, that its applicability is checked by preliminary tests.

Should you encounter microbial problems or problems concerning special applications, please contact our Customer Application Centres.

### **Dosage**

The optimum dosage of biocides depends largely upon the susceptibility of the coating to fungal and algal growth, the exposure to weathering, the thickness of the coating, the amount of dirt to be expected and the potential of the local environment to contaminate the surface.

ROCIMA 252 Biocide is added at a dosage rate of between 0.1% to 0.5% (weight/weight). Typical use rates in coatings, paints, varnishes and lacquers are between 0.25% to 0.37%.

It is recommended that the proposed dosages of ROCIMA 252 Biocide are checked in laboratory tests and, if possible, with practical experiments as well. This applies to both the compatibility in the finished product and to the expected level of protection.

### **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 252 Biocide should be stored in tightly sealed original containers, preferably at room temperature.

If stored below 0°C, solidification can take place which can be reversed by simple warming up to room temperature. After a homogeneous mixing, ROCIMA 252 Biocide can be used without any loss in effectiveness. Protect from light and heat.

For the storage of products formulated with ROCIMA 252 Biocide, it must be observed that when using tinplate material, the containers should be protected with an inside varnish.

### **Biocidal Products Directive Compliance**

ROCIMA 252 Biocide is a biocidal product intended for use in accordance with product type 7 (Film Preservation) of the Biocidal Product Directive 98/8/EC (BPD).

### **Caution**

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

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