

ROCIMA™ 251 Biocide

Active Substance Solution for Solvent and Water-Based Coatings

Description

ROCIMA 251 Biocide is a liquid, fungicidal preparation for water and solvent-borne systems.

ROCIMA 251 is very effective against surface fungal growth.

ROCIMA 251 also shows a wide range of activity against all wood-destroying and wood-discolouring fungi which may attack seasoned wood in a humid environment.

Composition and Technical Data

Composition: Preparation of iodopropynylbutylcarbamate

Typical Properties

These properties are typical but do not constitute specifications.

Appearance	yellowish, clear liquid		
Color (Gardner)	max. 5		ISO 4630
Density $d_{\frac{20}{4}}$	1.018 ± 0.01 g/ml		ISO 2811-3
Refractive Index $n_{\frac{20}{D}}$	1.442 ± 0.009		ASTM D 1218-02
Viscosity η 20°C	max. 20 mPa.s		ISO 3219
Flash point	>100°C o.c. Cleveland		ISO 2592

Typical Properties

Miscibility/Solubility

Forms clear solutions with aromatics, alcohols, ketones, glycols, chlorinated hydrocarbons. To some extent miscible with esters and aliphatics; miscible with water, depending on the concentration.

Stability

The active substances retain their activity when heated up to 100°C for a short period of time during manufacturing processes and in the pH range 4-10.

Application and Activity

ROCIMA 251 is liquid and can therefore be easily used in various products.

We recommend the addition of ROCIMA 251 towards the end of the manufacturing process.

ROCIMA 251 is not suitable to be used directly for immersion treatments. It is always necessary to use it in an appropriate formulation.

ROCIMA 251 is not a bactericide. It can therefore not replace the application of an in-can preservative. We recommend to use e.g. preservative ROCIMA 564, ROCIMA 523, and ROCIMA 607.

ROCIMA 251 is remarkably versatile with regard to its fields of application and the possibilities for processing.

The applicability of ROCIMA 251 has to be checked by preliminary tests. ROCIMA 251 may cause slight yellow discolorations or other incompatibilities, especially in formulations containing siccatives. Preliminary tests should therefore be carried out under the same conditions as in practice.

Should you encounter microbial problems or problems concerning special applications, please contact your Rohm and Haas Representative.

The use of ROCIMA 251 inside may be controlled with legal requirements prevailing in your country regarding the use of biocide-agents in occupied rooms. We are at your disposal for assistance in this case.

Dosage

2–6% In preservatives which require deep penetration into the wood in order to be effective against blue-stain and wood-destroying fungi.

1–3% In transparent coatings and other paints effective against superficial blue-stain and surface mould growth.

The concentration ranges given are approximate values to be taken only as guidelines. The dosage should be confirmed in practical tests using the actual formulation.

Handling

Please refer to the Material 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

For the storage of products formulated with ROCIMA 251 Biocide, it must be observed that when using tinplate material, the containers should be protected with an inside varnish.

ROCIMA 251 is best stored in tightly closed original containers, preferably as cool as possible, but not below -15°C. Any supplies which do freeze must be mixed homogeneously after thawing before they can be used, no loss in effectiveness will be experienced. Do not expose the ECO-Containers to direct sunlight.

Biocidal Products Directive Compliance

ROCIMA 251 Biocide is a biocidal product intended for use in accordance with product type 7 (Film protection) of the EU Biocidal Product Directive. For use of this product to manufacture wood preservatives (product type 8), additional legal requirements apply. Please consult your Rohm and Haas Representative for more information.

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

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