

ROCIMA™ 631 Biocide

In-Can Preservation for Aqueous Technical Products

Description

ROCIMA 631 Biocide is an aqueous, VOC-free preparation of active ingredients for the storage preservation of technical products. It is formulated as a stable, flowable dispersion to achieve a high compatibility in most binder and paint systems.

ROCIMA 631 combines some of the most prominent active ingredients of the field of application in a single product. This combination results in a very broad spectrum of activity and the risk of a development of resistant micro-organisms can also be minimized.

ROCIMA 631 is based on active ingredients, which are approved by the BfR for the application field and meet the regulations of the FDA.

Composition and Technical Data

Composition: Preparation of chlormethyl-/methylisothiazolone and benzisothiazolone

Typical Properties

These properties are typical but do not constitute specifications.

Appearance	Greenish to greyish, flowable dispersion	
Density 20°C	1.06 ± 0.05 g/ml	ISO 2811-1
Particle size	max. 30 µm	ISO 1524
Viscosity η 20°C	80 ± 20 KU	ASTM D-562
Flash point	> 100°C	ISO 2592
	o.c. Cleveland	

Typical Properties

Miscibility/Solubility

In organic solvents practically insoluble, miscible with water.

Stability

Temperature: Up to 40°C (short period to 60°C), pH range: The composition of active ingredients is designed to provide fast speed of kill and long term efficacy between pH 4 and 9.

Application and Activity

ROCIMA 631 was developed for the preservation of binders and paints. However, it can also be used in other technical, aqueous products such as glues, pastes, plasters and lacquers.

ROCIMA 631 is based on a combination of the most prominent active ingredients in the field of application. Its use is therefore especially appropriate for critical cases and where a long lasting protection is required. More simple combinations of active ingredients are not always satisfactory due to their insufficient activity or stability.

ROCIMA 631 shows, despite its favourable toxicological and ecotoxicological properties, a very broad spectrum of activity against bacteria and fungi commonly found in the field of application and can be used in close proximity to human beings and foodstuffs.

ROCIMA 631 complies with several food contact legislations of the European Union and of the Food and Drug Administration (FDA) of the USA. For specific information please ask your local Rohm and Haas contact or liaise with our Product Integrity Department.

The number of technical products being preserved with ROCIMA 631 is increasing steadily and it is not always possible to predict its suitability. The optimum dose should be established by preliminary experiments. In critical cases, predilution with water is often helpful.

Dosage

Due to the high concentration and activity of the active ingredients in ROCIMA 631 a dosage of 0.1 - 0.2% in the finished product provides a good protection in most cases.

ROCIMA 631 can be added at 0.1% without labelling (annex I of Dangerous Substance Directive 67/548/EEC, classification as dangerous preparation if concentration of MCI/MI is equal or greater than 15ppm).

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 are able to give you professional advice whenever necessary.

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 631 should be stored in tightly closed original containers and 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 631 can be used without any loss in effectiveness. Protect from light and heat.

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

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