

ROCIMA™ 364N Biocide

Algicidal and Fungicidal Preparation for Dry Film Protection of Water and Solvent Based Paint Systems

Description

ROCIMA 364N Biocide is a flowable and pumpable dispersion for the production of water and solvent based pigmented paint systems.

ROCIMA 364N contains various active fungicidal and algicidal agents which, when combined, achieve a broad spectrum of activity.

ROCIMA 364N is formulated to meet the various eco-toxicological requirements of a biocide for coatings, without restricting the protective action.

ROCIMA 364N is especially suited for use in AOX-free and low-VOC coating systems.

ROCIMA 364N is a biocidal product intended for use in accordance with Product Type 7 (Film Protection) of the Biocidal Products Directive.

Composition and Technical Data

These properties are typical but do not constitute specifications.

Composition: a preparation based on carbendazim, octylisothiazolone and s-triazine derivative

Appearance	greyish dispersion	
Density 20°C	1.35 ± 0.05 g/ml	ISO 2811-1
Particle size	max. 30 µm	ISO 1524
Viscosity η 20°C	max. 140 KU	ASTM D-562
Flash point	> 150°C o.c. Cleveland	ISO 2592

Typical Properties

Miscibility/Solubility

Miscible/dilutable with water and organic solvents. Practically insoluble in water and common organic solvents.

Stability

Instable under strongly alkaline or acidic conditions.

Application and Activity

ROCIMA 364N is especially suitable for the protection of coated exterior surfaces exposed to weather conditions on building structures of all kinds against fungi and algae, at an optimum cost-benefit ratio.

The pollution of such exposed surfaces through airborne particles (soot from industrial combustion plant and vehicle traffic emissions; agricultural dust and fertilizers; pollen and other natural products, etc.) is as a rule the culture medium on which relatively unpretentious micro-organisms can flourish.

The treatment of any paint system with ROCIMA 364N has the effect, on the one hand, of preventing the painted surface itself from acting as a culture medium for fungi and algae. And on the other of releasing an appropriate diffusion of the active agent substances during the period of surface moistening by rain or condensation, so that an overall active inherent resistance to fungal and algal development is facilitated.

ROCIMA 364N is an optimum preparation of proven active agent substances in paint system applications. However, the action is not produced by the biocide alone, as the formulation of the paint system, as well as the correct dosage of ROCIMA 364N, are essential prerequisites for good long term activity.

In extreme cases, where building construction faults might lead to a permanent and serious moisture intrusion into various constructional features, no successful application of ROCIMA 364N will be possible before the removal or repair of such faults.

In water-based systems, ROCIMA 364N normally has to be combined with an in-can preservative like ROCIMA GT or ROCIMA 520.

ROCIMA 364N should be worked into the paint product homogeneously. The additive should be best incorporated at the beginning of the production process.

Should you encounter any microbial or problems concerning special applications, please contact our Biological Laboratory or our Technical Service Laboratory.

Dosage

The appropriate correct dosage of ROCIMA 364N depends largely on the possible presence of pollution on the surfaces to be treated, the contamination probability at the site of application, as well as the general proneness and susceptibility of the coating to growth.

As the effectiveness of the active agent substances in the prevention of growth diminishes with time, the assessment of contamination probability is of great importance when determining the dosage of ROCIMA 364N.

The following proposed concentrations are therefore only to be deemed for general guidance:

Coatings	0.5 – 3.0%
Plasters	0.2 – 1.0%

In cases of exposure to severe weather conditions, the continuous formation of condensation, or the pollution of the painted surface, the dosage of ROCIMA 364N will have to be increased in excess of the recommended amount.

It is recommended to check the intended dosage in advance trials under laboratory conditions or when possible in practical trials approximate to the desired application. This is important with reference to compatibility with the application of the product involved, as well as concerning the anticipated protective effect.

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 364N should be stored in tightly sealed original containers and protected from heat and frost. To adjust a possible, partly separation of the product, it is advantageous to stir it homogeneously in the container prior to removing aliquots. After a prolonged storage time and under special conditions there is a possibility of the formation of crystals which could result in problems during manufacture of the end product.

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

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BIO.ROCIMA 364N.PDS.E.07/2006