

ROCIMA™ 372N Biocide

Fungicidal and Algicidal Preparation for Water-Based Coatings

General Description

ROCIMA 372N Biocide is a fluid, pumpable dispersion based upon effective fungicidal and algicidal substances, suitable for the preparation of aqueous based technical products (paints, plasters and wood coatings).

ROCIMA 372N is the result of a strategic, long term development programme to meet the demands for a product which will provide microbicidal protection to coatings which are subjected to severe weather conditions. It can be used in a wide variety of formulations and provides the broadest available spectrum of activity.

ROCIMA 372N can also be used in paints for the inside of factories, where the atmospheric humidity is periodically or permanently high and an infestation of micro-organisms cannot be prevented with constructional measures.

Composition and Technical Data

These values do not constitute specifications.

Composition: combination of iodopropynylbutylcarbamate, carbendazim and s-triazine derivative

Appearance	greyish-white flowable dispersion	
Density 20°C	1.06 ± 0.05 g/ml	ISO 2811-3
Viscosity η 20°C	max. 100 KU	ASTM D-562
Particle size	< 30 μm	ISO 1524

Typical Properties

Miscibility/Solubility

Virtually insoluble in water and organic solvents, miscible with water.

Stability

The activity will not be affected by short periods of temperatures up to 100°C during manufacturing, or by pH in the range 4-10.

Application and Activity

ROCIMA 372N is a combination of various active substances, which lead to a very broad spectrum of activity and control effectively the growth of fungi, algae and lichen.

ROCIMA 372N contains no volatile organic solvents and is also free of halogenated aromatic compounds. It has a broad application field including VOC-free paint systems.

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 372N can be achieved using an economical and ecologically reasonable dose.

The broad spectrum of activity of ROCIMA 372N includes also the group of blue stain and rot fungi. This allows the use of ROCIMA 372N in aqueous coatings for wood, in order to meet the protection activity in practice.

ROCIMA 372N only develops its effect after the coating or plaster system has been applied. For the protection of the aqueous phase in containers from infestation of bacteria it is advisable to include an in-can preservative (e.g., ROCIMA 520S, KORDEK™ MLX, ROCIMA 608, etc.).

ROCIMA 372N must be mixed homogeneously in the product being protected.

In certain formulations ROCIMA 372N may cause a slight yellow discoloration, and care must be taken to ensure that initial formulations are tested under the same conditions as the finished product will meet in actual use. Because of the large variety of possible ingredient combinations it is not possible to correlate the risk of discoloration to individual ingredients.

Should you encounter microbial problems or problems concerning special applications, our Biological Laboratory or our Technical Service Laboratory will be pleased to assist you.

Dosage

The optimum dosage of ROCIMA 372N Biocide depends largely upon the amount of dirt to be expected on untreated surfaces and the potential of the local environment to contaminate the treated surface. It will also be dependent upon the susceptibility of the coating to fungal and algal growth.

The bioactive substances in ROCIMA 372N are irreversibly consumed in the prevention of growth of micro-organisms, and hence a reliable estimate of the expected level of contamination is very important when deciding the optimum dosage of ROCIMA 372N to be used. For this reason the concentration ranges listed below should be used for general guidelines only:

External paints	0.5 - 3.0%
Plasters	0.2 - 1.0%
Wood coatings	1.0 - 5.0%

In cases of exposure to extreme weather, continuous condensation or if the coating is subjected to rapid contamination with surface dirt, the dosage of ROCIMA 372N may have to be increased above the usual levels.

It is essential that the dosages of ROCIMA 372N employed are fully tested in trial formulations that are designed to take into account the weathering intensity of the environment that the formulation will be used in.

The proposed dosages should be checked in laboratory tests and if possible with practical external experiments as well.

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 372N should be stored in tightly-sealed original containers, preferably cool, but not below 5°C. Protect from frost. Any supplies which do freeze must be homogeneously mixed after thawing before they can be used, no loss of effectiveness will be experienced.

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

ROCIMA is a trademark of Rohm and Haas Company, or of its subsidiaries or affiliates. The Company's policy is to register its trademarks, where products designated thereby are marketed by the Company, its subsidiaries or affiliates.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

Suggestions for use of our products, or the inclusion of descriptive material from patents and the citation of specific patents in this publication, should not be understood as recommending the use of our products in violation of any patents or as permission or license to use any patent of the Rohm and Haas Company.



©Rohm and Haas, 2007 All rights reserved.

BIO.ROCIMA 372N.PDS.E.06/2006