

ROCIMA™ 381 Biocide

Algicidal Preparation With Increased Long-Term Effect for Solvent Based Paints

General Description

ROCIMA 381 Biocide is an algicidal preparation that can provide a long-term efficacy to underwater paints.

ROCIMA 381 is a preparation in paste form for solvent based systems. It is free from phenol and chlorine as well as organometallic compounds.

ROCIMA 381 can also be employed in solvent based systems for terrestrial use to prevent primary growth of algae.

Composition and Technical Data

These values do not constitute specifications.

Composition: s-triazine derivative

Appearance	yellowish to beige, thixotropic paste	
Density 20°C	0.98 ± 0.05 g/ml	ISO 2811-1
Viscosity η 20°C	110 ± 30 KU	ASTM D-562
Particle size	< 30 μ m	ISO 1524
Flash point	50°C o.c. Cleveland	ISO 2592

Typical Properties

Miscibility/Solubility

Miscible with currently used solvents. Not miscible with water.

Virtually insoluble in water and organic solvents.

Stability

The active substance does not change its activity in the pH range from 4 to 10 or when heating up to 100°C for short periods of time during manufacturing processes.

Compatibility

Compatible with resins, binders and auxiliary substances commonly occurring in ship bottom paints.

Application and Activity

ROCIMA 381 blends very easily, especially compared to powdered algicides. Therefore, it can be added at the end of the manufacturing process.

For special applications or if difficulties arise as to mixing ROCIMA 381, please contact the Rohm and Haas Technical Service Laboratory for advice.

Dosage

The correct dosage of ROCIMA 381 depends on many factors. Particularly when ship bottom paints are concerned the formulation of the paint system such as, e.g., the selection of binder and type and amount of co-biocides is very important.

On the other hand, the dosage also depends essentially on the degree of contamination of the water (navigable water and harbour water), the length of time a ship stays in harbour and its speed of traveling.

Therefore the values given below must be taken as general rules only:

Applications under water	6 - 10%
Terrestrial applications	
Solvent based outdoor paints or coatings	0.2 - 1.0%

It is strongly recommended to check the planned dosage in a laboratory test for compatibility and in a practical field test for suitability.

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 381 Biocide should best be stored in tightly closed original containers protected against heat and light.

The viscosity may increase after a prolonged storage time.

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

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