

ROCIMA™ 200

Industrial Microbicide for Use in Coatings, Building Materials, Adhesives and Tackifiers

Description

ROCIMA 200 is a low VOC (Volatile Organic Compound) formulation of the active ingredient that is in ROZONE™ 2000. It provides the same broad spectrum activity with improved ease of formulation and similarly can be used in both exterior and interior applications.

The information presented in this bulletin is intended to help you evaluate ROCIMA 200 microbicide in your formulations.

Typical Properties

These properties are typical but do not constitute specifications.

Composition: Preparation of dichlorooctylisothiazolinone

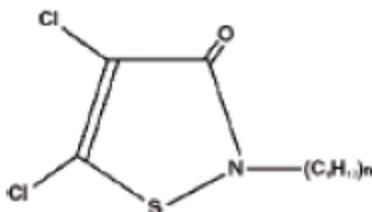
Appearance	blue
Active Ingredient (AI) concentration	20%
Carrier Solvent	mainly water, 15 to 18% glycol
Viscosity (Brookfield) @ 20°C	100 KU
Specific Gravity @ 25°C (water = 1)	1.09

Performance Benefits

- **Long-lasting preservation:** when used at recommended mildewcidal levels, offers in-can protection that can eliminate the need for separate in-can protection
- **Broad spectrum activity:** controls a wide range of fungi, algae, and bacteria
- **Very low water solubility:** provides long-term activity by resisting leaching
- **Non persistent in the environment:** readily dissipated by biological and chemical means
- **Flowable dispersion:** easily incorporated into paint formulations
- **Does not release formaldehyde**
- **Does not require zinc oxide for efficacy**
- **Effective in coatings and building products**
- **Low VOC formulation**

Active Ingredients

The active ingredient in ROCIMA 200 microbicide is 4,5-dichloro-2-n-octyl-4-isothiazolin-3-one, which has the following structural formula:



CAS Registry No. = 64359-81-5

Formulation Compatibility

ROCIMA 200 is primarily designed for use in water-based systems; however, it can be used in solvent based systems depending on its compatibility with the final product and its packaging.

Directions for Use

Recommended use levels of ROCIMA 200 microbicide range from 0.12% to 0.57%, as supplied, on total weight of paint formulation.

When ROCIMA 200 microbicide is used at recommended mildewcidal levels, a separate in-can preservative may not be needed. Testing ROCIMA 200 microbicide in customer formulations both for dry film protection and wet stage preservation is highly recommended.

The usage level required to obtain the desired degree of protection with ROCIMA 200 microbicide depends on several factors. These include the climatic conditions where the paint will be applied, the type of paint produced, the condition of the surface being painted, and the number of coats of paint applied. For maximum protection we recommend using 1150 ppm active ingredient (0.57% product as supplied).

Formulating Techniques with ROCIMA 200 Microbicide

ROCIMA 200 microbicide is a flowable dispersion that is easily incorporated into paint formulations. In principle, it can be added to the paint at any point in the paint preparation process.

Storage

ROCIMA 200 microbicide should be stored in tightly sealed original containers and preferably at room temperature. Protect from frost and heat.

If the product does freeze, it has to be mixed homogeneously after warming up and can then be used without any loss in effectiveness.

Handling

Handling and Transfer Recommendations

These recommendations are provided as guidelines to help the customer use ROCIMA 200 microbicide safely. The procedures used for handling biocide solutions are similar to those used for handling concentrated acids and alkalis. The purpose is to prevent all eye and skin contact, including inhalation of mists, and thereby prevent possible injury and sensitization.

ROCIMA 200 microbicide, as supplied, is corrosive to the skin and eyes (see the Toxicological Properties Section of the MSDS for more information). To prevent skin or eye contact and the associated effects, we recommend the following personal protective equipment when handling these products:

- Chemical splash goggles
- Chemical-resistant elastomeric gloves (e.g., 16 mil nitrile - please contact the Rohm and Haas Company for additional glove recommendations)

Note that chemical-resistant gloves are to protect against splash contact and are not intended for immersion protection.

Under open system conditions, we also highly recommend the additional use of the following personal protective equipment:

- Face shield (in addition to chemical splash goggles)
- Chemical-resistant apron
- Chemical-resistant elastomeric boots or over shoes

ROCIMA 200 is a registered pesticide, please carefully read and follow the label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Material Safety Data Sheets

It is important that you review our ROCIMA 200 Microbicide MSDS before using the product.

Rohm and Haas Material Safety Data Sheets (MSDS) contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products.

Under the OSHA Hazard Communication Standard, workers must have access to and understand MSDS on all hazardous substances to which they are exposed. Thus, it is important that you provide appropriate training and information to your employees and make sure they have available to them MSDS on any hazardous products in their workplace.

Rohm and Haas Company sends MSDS for all its products, whether or not they are considered OSHA-hazardous, to the "bill to" and/or "ship to" locations of all its customers upon initial shipment (including samples). If you do not have access to one of these MSDS, please contact your local Rohm and Haas representative for an additional copy. Updated MSDS are sent upon revision to all customers of record. In addition, MSDS are sent annually to all customers receiving products deemed hazardous under the Superfund Amendments and Reauthorization Act.

MSDS should be obtained from your suppliers of other materials recommended in this bulletin. Rohm and Haas Company is a member of the American Chemistry Council and is committed to ACC's Responsible Care[®] Program.

In case of emergency, please call:

ROHM AND HAAS COMPANY
215-592-3000

or

CHEMTREC
USA 800-424-9300
International, call collect
703-527-3887

or contact your local subsidiary.

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We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.

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For further details, please contact your local Account Manager or local Business Representative.

