

Microbial Control

Technical Data Sheet

ROZONE™ 2000 Biocide

Liquid Fungicide and Algicide for Water or Solvent-Based Coatings

Regional Product Availability

Please check with your DuPont representative for specific country information.

General

ROZONE™ 2000 Biocide is a liquid mildewcide for the protection of paint films and coatings.

It is a high-performance preservative against the growth of surface molds which also displays excellent activity against algae and bacteria.

ROZONE™ 2000 Biocide has a very low water solubility. It has a high resistance to leaching even on weathered surfaces and provides therefore a long-term protection. It is a liquid preparation of 20% dichlorooctylisothiazolone.

Physical Properties

The following are typical properties of ROZONE™ 2000 Biocide; **they are not to be considered product specifications.**

Appearance	clear, greenish liquid
Color (Gardner) (ISO 4630)	max. 6
Density d 20/4 (ISO 2811-3)	1.10 ± 0.01 g/ml
Refractive index n 20/D (ASTM D 1218-02)	1.519 ± 0.005
Viscosity η 20°C (ISO 3219)	60 ± 20 mPa.s

Miscibility/Solubility

Clearly miscible at any proportion with organic solvents such as alcohols, ketones, aromatics. Miscible with water with the formation of a milky emulsion.

Antimicrobial Activity

ROZONE™ 2000 Biocide is an effective microbicide for the use in paints and coatings which are applied on wood or on mineral surfaces. ROZONE™ 2000 Biocide shows a very broad and balanced spectrum of activity against mold and algae in the field of application. ROZONE™ 2000 Biocide is therefore suitable to be used as the sole protective agent. It can also be combined with other fungicides or algicides (e.g. ROCIMA™ 63 Biocide) to improve their spectrum of activity.

ROZONE™ 2000 Biocide may be added at any phase of production provided thorough mixing is guaranteed. Should the manufacturing process involve heating of the product, it is advisable to add ROZONE™ 2000 Biocide after cooling down at the end of the process.

Applications/ Directions for Use

As a general guideline the usage of 0.2% up to 0.55% in relation to the total formula is recommended.

The optimum dosage of microbicides depends largely upon the susceptibility of the coating to fungal and algal growth, the exposure to weathering, the thickness of the coating, the amount of dirt to be expected and the potential of the local environment to contaminate the surface.

ROZONE™ 2000 is a protective agent for coatings. To avoid microbial contamination of the water based products in the container during storage we would advise to use an in-can preservative as well, (e.g. KATHON™ LX 1.5% Biocide, BIOBAN™ BT 2S Biocide, BIOBAN™ BTCM Biocide).

The great variety of systems and manufacturing conditions make it generally advisable to check compatibility before starting to use any new ingredient.

It is recommended that the proposed dosages of ROZONE™ 2000 Biocide are checked in laboratory tests and if possible with practical external experiments as well. This applies to both the compatibility in the finished product and to the expected level of protection.

Handling and Storage

Please refer to the Safety Data Sheet of this product for precise handling instructions.

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.

ROZONE™ 2000 Biocide should be stored in tightly sealed original containers, 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 ROZONE™ 2000 Biocide can be used without any loss in effectiveness.

Protect from light and heat.

Product Stewardship

When considering the use of any DuPont product in a particular application, review the latest Safety Data Sheet (SDS) and country-specific product label to ensure the intended use is within the scope of approved uses. DuPont has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with DuPont products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont personnel are available to answer your questions and to provide reasonable technical support. DuPont product literature, including Safety Data Sheets (SDS), should be consulted prior to use of DuPont products. Current Safety Data Sheets are available from DuPont.



Nutrition & Biosciences

Microbial Control
microbialcontrol.dupont.com

Copyright © 2021 DuPont. All rights reserved. DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.

DISCLAIMER

The information contained herein is for informational purposes only and is not legal advice. It represents a summary of the information available to us at the time of release, and does not constitute an interpretation of the regulation. The information provided only applies to the products discussed and not combinations of products or all uses and the information is not promised or guaranteed to be correct or complete. It is your responsibility to identify and assess regulations applying to your activities and your purchase and to abide by any law or regulation, which may apply to the specific use you make of our product and your organization. We moreover recommend that you verify on a regular basis, with your local office, the latest regulatory status of our product.

DuPont strongly encourages its customers to review both their manufacturing processes and their applications of DuPont products from the standpoint of human health and environmental quality to ensure that DuPont products are not used in ways for which they are not intended or tested. DuPont product literature, including safety data sheets, should be consulted prior to use of DuPont products. Current safety data sheets are available from DuPont. DuPont assumes no obligation and hereby DISCLAIMS ALL LIABILITY for the information in this document. References to "DowDuPont" "DuPont" or the "Company" means the DuPont legal entity selling the products to Customer unless otherwise expressly noted. Other than as set forth in a contract of sale, DUPONT MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE INFORMATION AND/PRODUCTS DESCRIBED HEREIN, INCLUDING THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Use biocides safely. Always read the label and product information before use.