

Product Information

Preventol® A 14-D



Preventol® A 14-D

EPA Registration No.39967-71

Uses

Preventol® A 14-D is a preservative used to inhibit the growth of fungi and algae in paints, coatings, plasters, sealants and fillers in architectural products, finishes and special purpose coatings.

Chemical and physical data

Composition:	Aqueous dispersion based on 22 % Diuron, 10 % Carbendazim and 3 % Octylisothiazolinone
Product description:	beige, water based dispersion

Specification

The specification parameters can be found in the currently valid product specification.

Characteristic data*

Density:	1.14 to 1.2 kg/l (20 °C)
Viscosity:	1000 to 4000 cps (RT)
Flash point:	> 100 °C (> 212 °F), closed cup
pH:	4 - 8 [Conc. (% w/w): 1 %]

*These items are provided as general information only. They are approximate values and are not considered to be part of the product specifications.

Solubility

Water	dispersible in water
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Storage

Preventol® A 14-D should be stored in the original sealed package. The shelf life of the unopened package is a minimum of 12 months. After opening the package the duration of the effectiveness should be maintained for useful service life of the product. Product should not be stored below 0 °C or above 40 °C. If necessary, ensure the dispersion is homogenized before using.

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Spectrum of activity

Preventol® A 14-D is a water based dispersion that contains three active ingredients which have broad spectrum activity against fungal and algae organisms. It is particularly effective against fungi known to destroy surface coatings.

Here are some of the fungal organisms that Preventol® A 14-D has shown efficacy against:

Alternaria tenuis, *Aspergillus flavus*, *Aspergillus niger*, *Aspergillus ustus*, *Aerobasidium pullulans*, *Cladosporium herbarum*, *Paecilomyces variotii*, *Penicillium citrinum*, *Stachybotrys atra corda*, *Sclerophoma pityophila* and *Trichoderma viride*.

Here are some of the algal organisms that Preventol® A 14-D has shown efficacy against:

Oscillatoria tenuis, *Chlorella vulgaris*, *Scenedesmus communis* or *Phormidium species*.

Application

Preventol® A 14-D is an aqueous dispersion which can be added during the production process or straight into ready-for use emulsion paints (pH up to approximately 10). To ensure an even and reliable effectiveness homogenous distribution during incorporation is necessary.

As a pumpable dispersion, it is highly suitable for application in automated production processes. Preventol® A 14-D has good flow capabilities and as consequence shows good handling properties.

Discoloration or other incompatibilities are not normally observed using Preventol® A 14-D.

The active ingredients in Preventol® A 14-D has a low degree of water solubility and therefore shows a good leaching resistance. This contributes to a long service time of the applied paint. Leaching depends also on the type of resin used in the paint.

Due to the large number of different paint types found in the market, we recommend that the individual paint formulation be tested for compatibility and biological efficacy.

Due to the delivery form of Preventol® A 14-D as an aqueous dispersion it can easily be incorporated into the product to be preserved at various stages of the production process, either in an early stage by adding the preservative with thorough agitation together with the pigments and fillers, or the preferred method which is to add the preservative at the end of the production process, particularly when pigment and filler-free coatings are produced.

Preventol® A 14-D should be thoroughly mixed to ensure uniform distribution of the preservative in the finished product. In addition to the incorporation of the Preventol® A 14-D as a dry film preservative, LANXESS in-can preservative should be incorporated to inhibit microbial degradation of the finished product during storage.

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Material Compatibility

Preventol® A 14-D is compatible with HDPE.

As with any product, use of the products mentioned in this publication in a given application must be tested (including field testing, etc.) by the user in advance to determine suitability.

Directions for use

It is a violation of Federal Law to use Preventol® A 14-D in a manner inconsistent with its labeling. The following guidance is given as an approximation for each use pattern, but field testing is required to achieve optimum effectiveness. Do not apply this product in a way that will contact workers or other persons, whether directly or through drift. Only protected handlers may be in the area during application.

GENERAL USE DIRECTIONS

Preventol® A 14-D is an antimicrobial preservative to inhibit the growth of fungi and algae in paints, coatings, plasters, sealants and fillers used for architectural products, finishes and special purpose coatings. Typical use levels that are given for the various applications indicate the approximate levels for the particular application. All use levels are in percentage by weight and refer to the product given use, field trials are suggested.

PAINTS AND COATINGS:

Preventol® A 14-D provides control of fungi and algae in paints and coatings, when used as a dry film preservative. Add 1.5 to 20 lbs (0.68 to 9.1 kg) of Preventol® A 14-D to each 1000 lbs (453 kg) of paint or coating material. Preventol® A 14-D is typically effective when applied at concentrations of 0.15 - 2.0 % of finished product.

Method of Addition:

Preventol® A 14-D should be added at the beginning of the formulation process mixing of the final product to assure uniform distribution.

PLASTER AND STUCCO:

Preventol® A 14-D provides control of fungi and algae in plaster and stucco, when used as a dry film preservative. Add 1 to 10 lbs. (0.45 to 4.5 kg) of Preventol® A 14-D to each 1000 lbs (453 kg) of plaster or stucco. Preventol® A 14-D is typically effective when applied at concentrations of 0.1% - 1.0 % of finished product.

Method of Addition:

Preventol® A 14-D should be added at the beginning of the formulation process mixing of the final product to assure uniform distribution.

SEALANTS, CAULKS AND FILLERS:

Preventol® A 14-D provides control of fungi and algae in sealants, caulks and fillers, when used as a dry film preservative. Add 1 to 15 lbs (0.45 to 6.8 kg) of Preventol® A 14-D to each 1000 lbs (453 kg) of sealant, caulk and filler. Preventol® A 14-D is typically effective when applied at concentrations of 0.1% - 1.5 % of finished product.

Method of Addition:

Preventol® A 14-D should be added at the beginning of the manufacturing process. Upon incorporation of the preservative, the product should be mixed to assure uniform distribution.



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Registration / Approval / Recommendation**

EPA Registration No. 39967-71

U.S.A.:

No FDA clearances for either of these substances as of 10/15/2008.

The use of Preventol® A 14 D is subject to the limitations of these regulations and other applicable regulations.

Up to date information on the registration status of our products can be obtained from:

LANXESS Corporation
Business Unit Material Protection
Regulatory Affairs
111 RIDC Park West Drive
Pittsburgh, PA 15275-1112

****Regulatory Compliance Information:** Some of the end uses of the products described in this bulletin must comply with applicable regulations, such as the FDA, NSF, USDA, and CPSC. If you have any questions on the regulatory status of these products, contact your LANXESS Corporation representative or the LANXESS Regulatory Affairs Manager in Pittsburgh, PA

Health & Safety Information

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, *e.g., material safety data sheets and product labels*. Consult your LANXESS Corporation representative or contact the LANXESS Product Safety and Regulatory Affairs Department in Pittsburgh, PA.

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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

Note: The information contained in this bulletin is current as of the edition date. Please contact LANXESS Corporation to determine if this publication has been revised.

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