

Product Information

PREVENTOL® A 14-D

PREVENTOL® A 14-D**Uses**

For the manufacture of fungicidal coatings and plasters.

Chemical and physical data

Composition:	aqueous preparation of Diuron, Carbendazim and Octylisothiazolinon
Description:	beige, water-based dispersion

Specification*

Assay (HPLC):	min. 32.5 % as the sum of Diuron, Carbendazim and Octylisothiazolinon
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*Specification values are subject to constant monitoring. Only data given in the current edition of the "Specification" are binding.

Characteristic data**

Density:	1.14 - 1.20 g/cm ³
Solubility:	dispersible in water (active ingredients almost insoluble in water)
Viscosity (25 °C):	1000 - 4000 cps

**Characteristic data provide further information about the product and are not subject to constant monitoring. They are therefore not binding.

Storage

If correctly stored and kept in the original sealed package, the shelf life of Preventol A 14-D is 1 year. The product is sensitive to frost and should not be stored at temperatures above 40 °C. If necessary ensure the dispersion is homogenised before use.

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Spectrum of activity

Preventol A 14-D is a water-based dispersion of a combination of active ingredients, which have a broad spectrum of activity against mould fungi and algae. It is particularly effective against the following fungi known to destroy surface coatings:

Alternaria tenuis, *Aspergillus flavus*, *Aspergillus niger*, *Aspergillus ustus*, *Aureobasidium pullulans*, *Cladosporium herbarum*, *Paecilomyces variotii*, *Penicillium citrinum*, *Stachybotrys atra* Corda, *Sclerophoma pityophila*, *Trichoderma viride*

The algaecidal effect of Preventol A 14-D covers a wide range of different algae such as: *Oscillatoria tenuis*, *Chlorella vulgaris*, *Scenedesmus communis* or *Phormidium spec.*

Application

Preventol A 14-D is an aqueous, beige dispersion which can be added during the production process or straight into ready-for-use emulsion paints (pH up to approx. 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. The dispersion has good flow capabilities and as a consequence shows good handling properties.

Discolouring or other incompatibilities are not normally observed using this product.

The active ingredients in Preventol A 14-D have a low degree of water solubility and therefore show a good leaching behaviour. This contributes to a long service time of the applied paint.

Due to the large number of different paint types found in the market we recommend that individual tests on compatibility and biological effectiveness are carried out for each new application.

Suggested additions of Preventol A 14-D

(calculated on ready-to-use formulation)

Depending on the specific paint type and the application the dosage of Preventol A 14-D generally lies in the range of 0.3 - 2.0 %.

Coatings interior/exterior	0.5 - 2.0
Plaster	0.3 - 1.0

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The optimum amount of Preventol A 14-D required for a specific product should be evaluated in pre-trials, as this may differ significantly depending on the specific type of paint under consideration or on the environmental conditions in which the paint/coating is intended to be used. Our microbiological service lab will be happy to assist you hereby.

Registration / Approval / Recommendation

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

LANXESS Deutschland GmbH
Business Unit Material Protection
51369 Leverkusen / Germany
Fax: (+49 214) 30-6 29 95

Precautions

Preventol A 14-D is a water-based dispersion based on fungicidal and algacidal active ingredients. Skin contact with the product should be avoided and care should be taken to prevent the liquid being splashed. The precautions generally recommended for handling chemicals should be observed, e. g. wearing of protective clothing, safety goggles and protective gloves.

If the product comes into contact with the skin, the affected area should be washed immediately with large amounts of soap and plenty of water; splashes in the eyes should be rinsed out immediately with plenty of water. If irritation persists, medical attention should be obtained. Contaminated clothing should be changed at once. Paints containing active ingredients are used so that the coating is protected from microorganisms such as fungi which seek to destroy it. They must be applied according to the instructions for use and in those cases where protection against micro-organisms are necessary. They should not be applied in living and recreational areas, or at least if there is technical need then only for treating small surface areas and in amounts not exceeding the minimum necessary.

The current safety data sheet should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety, toxicity and ecology.

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

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Labelling

The product Preventol A 14-D is classified as harmful (Xn) and dangerous for the environment (N).

Hazard description and R-phrases:

R 20/21: Harmful by inhalation and in contact with skin.

R 40: Limited evidence of a carcinogenic effect.

R 43: May cause sensitization by skin contact.

R 48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 68: Possible risks of irreversible effects