

Product Information

PREVENTOL® A 6

Biocide for Antifouling Paints

PREVENTOL® A 6

Use

Algicidal active ingredient component in marine antifouling coatings.

Chemical and physical data

Active ingredient:	approx. 98 % N'-(3,4-dichlorophenyl)-N,N-dimethyl urea (Diuron)
Product description:	powder

Specification

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

Characteristic data*

Bulk density:	approx. 450 kg/m ³
Vapour pressure (20 °C):	approx. $2.3 \cdot 10^{-9}$ hPa
Initial melting point:	approx. 154 - 159 °C
Ignition temperature:	approx. 400 °C (DIN 51794)
Solubility (20 °C)	water: 0.035 g/l acetone: 50 g/l xylene: 1.2 g/l butyl glycol: 62 g/l
pH:	approx. 5.8 in aqueous suspension

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

Stability

Preventol® A 6 hydrolyses in strong acids and alkalis. Decomposition begins at temperatures above 200 °C.

PREVENTOL® A 6

Storage

Provided the product is correctly stored and kept in the original sealed package, its shelf life is at least 2 years. The product tends to form lumps. This has no effect on its quality.

Application

Preventol® A 6 is a broad-spectrum algicide which is highly effective against both seawater and freshwater algae. It is non-volatile, has low solubility in water and good toxicological properties. These favourable properties, combined with the effectiveness of the product, make it ideal for use in the formulation of marine antifouling coatings used in seawater. Unlike organotin compounds, Preventol® A 6 is light-stable. For antifouling coatings Preventol® A 6 is normally used in combination with copper compounds such as copper oxide and copper rhodanide to broaden the spectrum of activity against sessile sea animals like for example barnacles and tubeworms.

When incorporating and using Preventol® A 6, care should be taken that the product is distributed homogeneously in the coating to ensure a reliable and uniform action.

Suggested Dosage

The concentration in marine antifouling coatings is usually between 2 and 8 %, calculated on the total formulation.

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
Regulatory Affairs
51369 Leverkusen / Germany
Fax: (+49 214) 30-7 23 39

PREVENTOL® A 6

Precautions

When handling Preventol® A 6, the precautions generally recommended for handling chemicals should be observed, e.g. wearing of protective clothing, protective gloves and safety goggles. If the product comes into contact with the skin, the affected area should be washed immediately with large amounts of soap and 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.

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 product information before use.

Labelling

This product information must be used in conjunction with section 15 of the currently valid safety data sheet for the product which indicates labelling according to the German Hazardous Substances Regulation and the corresponding EU Directive.