

### Nipacide<sup>®</sup> CDI

### Dry Film Fungicide for the Paints and Coating Industry

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#### Composition

Methyl benzimidazol - 2 - ylcarbamate  
(Carbendazim)

#### Product properties\*

##### Active content

about 35 %

##### Appearance at 20 °C

Off-white to cream, viscous dispersion

##### pH (neat)

6.5 – 9.0

##### Viscosity at 20°C (cP)

5000 – 10000

##### Total Solids (%) (1gm/120°C/1hr)

35.0 - 40.0

#### Description

Nipacide CDI is an aqueous dispersion, dry film fungicide based on Carbendazim. It is effective against a wide range of fungal species, responsible for the discoloration and degradation of surface coatings.

#### Applications

Nipacide CDI is recommended for a wide range of coating applications including water based paints and wood coatings where protection against fungi is required in the dry state.

Dry-film degradation in paints and decorative coatings can be avoided by using the correct dry-film biocides at the most cost effective use level. Ideal dry-film properties achieved by Nipacide CDI include:

- High activity against a broad range of fungi
- Excellent activity at relatively low use concentrations
- Low water solubility
- pH stable
- Temperature stable
- Cost-effective protection

® = Registered trademark

\* = These characteristics are for guidance only and are not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety and ecological data, please refer to the MSDS.

## Industrial & Consumer Specialties

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### Microbiological Data

Nipacide CDI exhibits activity against a wide range of fungi, which includes the following fungal species associated with dry film spoilage:

**Fungi :**

*Aspergillus niger*

*Aspergillus versicolor*

*Penicillium* sp.

*Phoma violacea*

*Aureobasidium pullulans*

*Ulocladium atrum*

*Stachybotrys chartarum*

*Cladosporium cladosporioides*

### Chemical Compatibility

Nipacide CDI is compatible with most raw materials used in the manufacture of industrial and decorative coatings. However it is recommended that the compatibility of Nipacide CDI with the application should always be checked and evaluated before use.

### Use Levels

Nipacide CDI should be evaluated in finished products at levels between 0.5% and 2.0%. The level of protection will depend on many factors including the end destination of coating, relative humidity and other exposure conditions and can be determined by evaluation by our microbiologists at the Clariant Microbiology facility.

### Clariant Technical Service

Clariant technical service staff are available to assist customers in the determination of the optimum use level of biocide required to fully protect their product. The staff is on hand at all times to assist customers with all technical enquiries relating to product protection. Full microbiological efficacy testing is available at the Clariant Microbiology Laboratory.

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*This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described on their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale. Customers should ensure that their use of the products comply with specific regulations in the relevant market.*