

Technical Data Sheet

Clariant Dry Film/ in-can Fungicide



Exactly your chemistry.

Nipacide IPBC 30.

Chemical name: 3-iodo-2-propynyl butyl carbomate

Description;

Nipacide IPBC 30 is a 30% active IPBC clear glycolic fungicide, Nipacide IPBC 30 has been developed for fungal dry film protection of water based coatings. Nipacide IPBC 30 can also be used for wet state, in-can fungal protection. Nipacide IPBC 30 is effective against a wide range of fungal and yeast species and exhibits some activity against gram negative and gram positive bacteria.

Dry –film degradation in paints and decorative coatings can be avoided by using the correct dry-film fungicides at the most cost effective use level. Ideal dry-film properties achieved by Nipacide IPBC3 30 include:

- High activity against a broad range of fungi and algae
- Excellent activity at relatively low use concentrations
- Carbendazim free
- pH stable
- UV stable
- Low water solubility
- Approved under the Biocidal Products Directive
- **Cost effective protection**

Applications;

Nipacide IPBC 30 is recommended for protection of a wide range of coating applications including water based decorative paints, wood stains and colours. Nipacide IPBC 30 can also be used in solvent based applications. Increased antifungal activity can also be achieved by using Nipacide IPBC 30 for in-can use in adhesives grouts and sealants. Nipacide IPBC 30 is effective against a wide range of spoilage organisms effective over a wide pH range. Nipacide IPBC 30 should not be used in products heated above 40⁰ C.

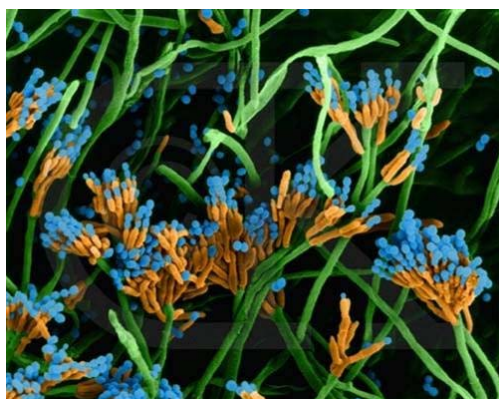
Use level;

Nipacide IPBC 30 should be evaluated in finished products at levels between 0.50% and 2.0% for dry film applications. The level of protection will depend on many factors including the end destination of coating, relative humidity, sun strength and others and can be determined by evaluation by our team of microbiologists at the Clariant Microbiology facility. For in-can antifungal activity Nipacide IPBC 30 should be evaluated between 0.10% and 0.30%.

Microbiological data;

Even though Nipacide IPBC 30 is designed for dry-film applications it also exhibits activity against a wide range of bacteria, fungi and yeast. This can be demonstrated by the following MIC data.

MIC Levels	Organism	MIC (ppm)
	Bacteria	
	<i>Pseudomonas aeruginosa</i>	> 1500
	<i>Proteus vulgaris</i>	650
	<i>Escherichia coli</i>	400
	<i>Staphylococcus aureus</i>	150
	Fungi	
	<i>Aspergillus niger</i>	< 10
	<i>Penicillium mineoluteum</i>	< 10
	<i>Geotrichum candidum</i>	< 10
	Yeast	
	<i>Candida albicans</i>	< 25



Chemical compatibility;

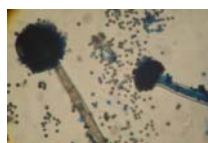
Nipacide IPBC 30 is compatible with most raw materials used in the manufacture of industrial and decorative coatings. Nipacide IPBC 30 compatibility should always be checked and evaluated before use.

Clariant Technical Service;

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

AVAILABLE MICROBIOLOGICAL TESTING

- **In can challenge.**
- **Dry film**
- **Chemical analysis**
- **Identification**
- **Disinfection testing**
- **Microbiological audits**



All information is given in good faith but without warranty. Customers should ensure that their use of the products comply with specific regulations in the relevant market