



IPEL FAP 492

FUNGICIDE AND ALGAECIDE FOR WATER BASED COATINGS

IPEL FAP 492

IPEL FAP 492 is a microbicide specially developed for the dry film protection of water-based coatings formulations against the attack of fungi or algae. Coating surfaces are constantly exposed to spores of microorganisms such as fungi, yeasts and algae. When these spores find an appropriate environment, they start to grow and cause damages to the coating dry film, such as defacement, loss of integrity, breakages and bad appearance.

IPEL FAP 492 avoids fungi and algae growth, protecting the integrity of the coating. It presents a good resistance to lixiviation, good compatibility to cationic, anionic and non-ionic formulations, excellent dispersion in aqueous media and effectiveness at a wide pH range, providing protection even at high humidity environments.

IPEL FAP 492 do not contain heavy metals or phenolic derivatives.

IPEL FAP 492 can be used alone or in association with other IPEL microbicides. Our Technical Department can help you at the choice, which better suit needs.

SPECIFICATIONS

Composition:	Halogenated and nitrogen derivatives
Appearance:	Creamy aqueous dispersion
Specific gravity @ 20 °C:	1,00 - 1,20
Solubility:	Totally miscible with water, glycols and polar solvents.
Stability:	Light: stable
	pH: 3,5 a 11
	Chemical: Unstable when in direct contact with secondary amines, strong reducing or oxidant agents.

APPLICATION

IPEL FAP 492 is recommended for the protection of decorative paints, textured coatings and other water based coating formulations. The recommended dosage according to our experience is between 0,25 to 0,70 % weight basis over the total amount of the formulation. Our labs are equipped to develop tests on your formulations in order to recommend the most effective and secure dosage for your product.

TOXICITY

According to independent Toxicological Labs:

➤ LD₅₀ dermal (rabbits)	8500 mg/Kg
➤ LD₅₀ oral (mice)	6400 mg/Kg
➤ Dermal Irritancy:	Positive

INNOVATIVE TECHNOLOGY

MICROBIOLOGICAL EFFICACY **IPEL FAP 492** is a highly effective microbicide which controls the growth of fungi and yeasts on the surface of the coating, giving good dry film protection against:

YEASTS

Candida sp
Rhodotorula sp
Saccharomyces sp

FUNGI

Aspergillus sp
Alternaria sp
Penicillium sp
Aureobasidium sp
Mucor sp
Clasdothium sp

ALGAE

Chlorella sp
Coccomyxa sp
Nostoc sp
Phormidium sp
Oscillatoria sp
Trentepohlia sp

HEALTH AND SAFETY

For safety handling, use individual protection equipment like protective clothes, PVC gloves, PVC apron, goggles and chemical proof shoes.
For the first aids, please read the MSDS and call for immediate medical assistance.

ENVIRONMENT

IPEL FAP 492 is biodegradable when diluted below its Minimum Inhibitory Concentration (MIC). In cases of spills or leaks act as indicated at the MSDS and discard according to the local legislation.

STORAGE AND PACKAGING

Available in non returnable plastic drums with 50 and 200 kg and IBCs with 1.000 kg. Keep the product stored in its original packaging protected from the sunlight and keep at temperatures under 50°C. The adequate materials for contact with the product include stainless steel, PE, PP and Teflon.



Brasil

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Distributors: Chile, Colombia, Equador, Mexico, Peru, Vietnã e Uruguay.

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These recommendations should not be considered as license or recommendation to infringe any patent.

INNOVATIVE TECHNOLOGY