



# PROMEX™ FPD

## Dry film fungicide

PROMEX™ FPD is a biocide combination designed to protect dry powder and liquid coatings from fungal and algal growth

### Key features

- effective fungicide/algaecide for a wide range of industrial applications
- aqueous based, readily flowable water dispersion, VOC free
- broad spectrum of activity against relevant microorganisms
- free from formaldehyde, formaldehyde releasers, phenolics, heavy metals
- easy to incorporate into products including coatings, adhesives
- cost effective fungicide, low use levels
- good compatibility with other commonly used raw materials
- effective over pH range of commonly used surface coatings and adhesive products

### Characteristic properties

- white to beige free flowing aqueous dispersion
- compatible with most raw materials used in coating formulations
- easy to incorporate
- dispersible in water and alkyd based products

PROMEX™ FPD is manufactured to the highest purity standards using modern dispersion technology techniques.

PROMEX™ FPD prevents or minimises microbial deterioration of products and resulting consequences such as:

- mould growth
- algal growth
- unsightly surface discolouration
- surface staining

### Microbial efficacy

Bacteria	MIC (ppm)	Fungi and yeasts	MIC (ppm)
<i>Pseudomonas aeruginosa</i>	1000	<i>Aspergillus niger</i>	25
<i>Pseudomonas putida</i>	800	<i>Penicillium fusiculosum</i>	25
<i>Escherichia coli</i>	300	<i>Penicillium mineoluteum</i>	25
<i>Staphylococcus aureus</i>	100	<i>Fusarium sp</i>	25
<i>Proteus vulgaris</i>	800	<i>Candida albicans</i>	10

## **Applications**

**PROMEX™ FPD** is highly suitable for the preservation of a wide variety of industrial coating products and adhesives where dry state protection is required.

It shows highest efficacy and stability in a wide pH range of pH 4 – 10.

Use levels of **PROMEX™ FPD** normally range from 0.5 – 2% based on total finished weight of product.

Experience shows that compatibility with most products and raw materials is excellent, although compatibility testing and determination of most effective use concentrations is recommended.

### **Application areas**

- paints
- adhesives
- sealants and caulks
- grouting compounds

## **Microbial efficacy (PROMEX™ FPD)**

Biodegradable. When diluted below the minimum inhibitory concentration the constituents of **PROMEX™ FPD** have low bioaccumulation potential.

## **Toxicological effects**

Refer to MSDS.

## **DISCLAIMER**

*All information contained in this brochure is given in good faith, and without liability. It is intended for guidance only.*

*Users are advised to conduct their own independent examination of the product to ascertain its suitability for incorporation into processes or products.*

*Users should ensure that the use of the product complies with all pertinent current legislation.*