



# PROMEX™ IPO

## Dry film fungicide

PROMEX™ IPO is a biocide combination designed to protect dry powder and liquid coatings from fungal growth. PROMEX™ IPO contains an optimised blend of 2-n-Octyl-4-isothiazolin-3-one (OIT) and 3-Iodo-2-propynylbutyl carbamate in glycol. *Frost stable to -5°C.*

### Key features

- effective fungicide for a wide range of industrial applications
- broad spectrum of activity against relevant microorganisms
- free from formaldehyde, formaldehyde releasers, phenolics, heavy metals
- low leaching rates
- cost effective as dry film fungicide
- good compatibility with other commonly used raw materials

### Characteristic properties

- clear, colourless solution
- stable over wide pH range, pH 4 – 9
- frost stable to -5°C
- compatible with most raw materials used in coating formulations
- dispersible in water and alkyd based products

PROMEX™ IPO is manufactured to the highest purity standards.

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

- mould and fungal 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>	20
<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™ IPO** is highly suitable for the preservation of a wide variety of industrial coating products and adhesives where dry state antifungal protection is required.

It shows highest efficacy and stability in a wide pH range of pH 4 – 9.

Use levels of **PROMEX™ IPO** 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**

- architectural paints and surface coatings
- adhesives
- roofing materials
- sealants and caulks
- grouting compounds

### **Ecological effects\_(IPO)**

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

### **Toxicological effects (BIT)**

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.*