



PROMEX™ MIT10

Broad spectrum antimicrobial

PROMEX™ MIT10 is a broad spectrum aqueous formulation consisting of 2-methyl-4-isothiazolin-3-one

Key features

- effective bactericide / fungicide for a wide range of industrial applications
- aqueous based
- broad spectrum of activity against relevant microorganisms
- free from formaldehyde, formaldehyde releasers, phenolics, heavy metals
- easy to incorporate into a wide range of industrial products
- cost effective, low use levels
- good compatibility with other raw materials
- effective over wide pH range, stable at pH 4 - 8

Characteristic properties

- colourless aqueous based liquid
- compatible with most commonly occurring raw materials
- easy to incorporate
- simple to incorporate

PROMEX™ MIT10 is manufactured to the highest purity standards

PROMEX™ MIT10 prevents or minimises microbial deterioration of products and resulting consequences such as:

- gassing
- phase separation
- changes in viscosity
- malodours

Microbial efficacy

Bacteria	Mic (ppm)	Fungi and yeasts	Mic (ppm)
<i>Pseudomonas aeruginosa</i>	350	<i>Aspergillus niger</i>	7500
<i>Pseudomonas putida</i>	200	<i>Penicillium fusiculosum</i>	2000
<i>Escherichia coli</i>	200	<i>Penicillium mineoluteum</i>	2000
<i>Staphylococcus aureus</i>	400	<i>Fusarium sp</i>	3000
<i>Proteus vulgaris</i>	250	<i>Candida albicans</i>	1000

Applications

PROMEX™ MIT10 is highly suitable for the preservation of a wide variety of industrial products including coatings, adhesives, polymer emulsions, pigments, font solutions and other water based industrial products.

It shows highest efficacy and stability in a wide pH range of pH 4 – 8.

Use levels of **PROMEX™ MIT10** normally range from 0.1 – 0.3% 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
- polymer emulsions

Ecological effects

Biodegradable. When diluted below the minimum inhibitory concentration **PROMEX™ MIT** has 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.