



PROMEX™ TCO

Exterior Dry Film Biocide

PROMEX™ TCO is a VOC free combination designed to protect surface coatings from fungal and algal growth. Formulated as an aqueous dispersion of N'-tert-butyl-N-cyclopropyl-6-(methylthio)-1,3,5-triazine-2,4-diamine (Terbutryn), 2-n-Octyl-4-isothiazolin-3-one (OIT) and Carbendazim

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 a wide range, fungi and algae
- free from formaldehyde, formaldehyde releasers, phenolics, heavy metals
- easy to incorporate into products including paints, coatings, sealants and adhesives
- low leaching rates
- cost effective as a dry film biocide

Characteristic properties

- white to cream free flowing aqueous dispersion
- compatible with most raw materials used in coating formulations
- effective combination of algaecides and fungicides
- dispersible in water and alkyd based products

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

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

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

Microbial efficacy

PROMEX™ TCO

Algae	MIC (ppm)	Fungi and yeasts	MIC (ppm)
<i>Scenedesmus obliquus</i>	1	<i>Aspergillus niger</i>	25
<i>Stichococcus bacillaris</i>	1	<i>Penicillium fusiculosum</i>	25
<i>Chlorella fusca</i>	1	<i>Alternaria sp</i>	25
<i>Trentepohlia odorata</i>	0.5	<i>Fusarium sp</i>	25
<i>Nostoc commune</i>	0.5	<i>Candida albicans</i>	10
<i>Chlorella mirabilis</i>	2	<i>Saccharomyces cerevisiae</i>	10

Applications

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

It shows highest efficacy and stability in a wide pH range of pH 4 – 11.

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

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

Ecological effects (TCO)

Biodegradable. When diluted below the minimum inhibitory concentration the constituents of **PROMEX™ TCO** 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.