

# Kem Watreat R 250

(Broad Spectrum Biocide)

## INTRODUCTION

**Kem Watreat R 250** is an isothiazolene based biocide which gives a synergistic effect for the control of microbiological fouling due to various bacteria. fast acting, broad-spectrum biocide used for cleaning Reverse Osmosis and Nano- Filtration membranes. It can be used both on and off-line to eliminate microbiological fouling. When used in potable water applications, should be used 'off-line'.

**Kemwatreat R 250** is also effective in removing biofilm from pumps, tanks and pipe-work.

**Kemwatreat R 250** is readily biodegraded in the environment; the degradation rate is enhanced at increasing pH and temperature.

### Application.

Kemwatreat B 250 is used on-line as well as 'off-line' as a membrane cleaner.

### Health and Safety

Kemwatreat B 250 is based on an organo compound. It is corrosive to carbon steel and tanks should be made from acid resistant materials.

### MICROBICIDAL ACTION OF Kem Watreat R 250

**Kem Watreat R 250** has a wide range of activities against- Algae, Fungi, & Bacteria

## TYPICAL PROPERTIES

Appearance : Yellow to greenish liquid.  
PH : 2 - 5  
Specific gravity : 1.00 to 1.0

## DOSAGE

It varies from process to process. Generally it is in the range of 100ppm-120 ppm.

## HANDLING PRECAUTIONS

**Kem Watreat R 250** may cause irritation to nose and eyes. It is harmful if taken internally. In case of contact with skin it should be immediately washed with plenty of water.

## ADVANTAGES

- Highly effective in wide range of pH even beyond 7.5.
- Highly effective for sulphate reducing bacteria.
- High microbiocidal activity.
- Biodegradable.
- Safe to handle and non-corrosive.
- Low mamalian and fish toxicity.
- Environmentally safe.

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