

HYDRAGUARD LIMITED

KT400

KT400 is a stabilised aqueous solution of an isothiazolin derivative, formulated to control a wide range of bacteria, fungi and algae. It is effective in all types of water-based systems including open and closed cooling systems, heating systems, metal working fluids etc. **KT400** is useful in the control and eradication of pseudomonas and legionella pneumophila.

ADVANTAGES

- ❖ kills bacteria and algae and is effective against legionella, pseudomonas and sulphate reducing bacteria
- ❖ non-foaming
- ❖ compatible with other cooling tower chemicals
- ❖ effective over a wide range of pH
- ❖ free of additional copper and magnesium stabilisers.

HOW MUCH TO USE – CLOSED SYSTEMS

Isothiazolin based biocides have been used successfully for many years in both open and closed water circuits. There are, however, certain circumstances where these products have not provided an adequate control of Pseudomonad species. Isothiazolins also begin to break down at temperatures in excess of 60°C. The following dosage advice is based on the experience gained from many sites:

Standard maintenance dose	-	500 ppm
Dose following pre-commissioning cleaning	-	2500 ppm
Dose to kill Pseudomonas species **	-	5000 ppm

** Consider use of TZ200 where a known Pseudomonad problem exists.

HOW MUCH TO USE – COOLING SYSTEMS

If the system is badly fouled, it should be shock dosed initially with up to 2500 ppm of **KT400**. After bacteriological control is achieved, **KT400** should be dosed periodically at a rate of 200-400 ppm of product every two to three days. Alternate biocide dosing is recommended to prevent any resistance developing.

PROPERTIES

Appearance:	Pale blue liquid
Density:	1.00 – 1.5
pH of neat product:	4.0—5.0
Flashpoint:	Non-flammable

HANDLING AND STORAGE

Corrosive – Causes Burns.

Avoid contact with skin and eyes. May cause sensitization by skin contact. Avoid extremes of temperature. Replace cap securely after use. Recommended storage limit – 2 years.

PROTECTIVE EQUIPMENT

It is **important** to wear suitable overalls, gloves and eye/face protection when handling **KT400**.

SPILLAGE AND DISPOSAL

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations. Do not flush into surface water or sanitary sewer system.

PACKAGING

KT400 is available in 25 litre and 10 litre drums.

Hydraguard Limited
Rose Croft
Newton on Rawcliffe
Pickering
North Yorkshire YO18 8QE

Tel No. 01751 475964

PRODUCT DATA