

### Quick acting chlorine release tablets for accurate sterilisation of water systems



#### Kamchlor Tabs - the modern solution

- A safe, easy to handle source of free chlorine.
- Tablet form gives accurate sterilisation of water systems.
- One tab gives 50ppm chlorine in 20l water.
- Accurate dosing minimises plant corrosion.
- Safer to use than liquid products.
- Greater biocidal properties than bleach on a strength for strength basis.
- Rapid dissolving tablets minimise on-site time.
- Suitable for use by non-technical users.

Chlorine is generally regarded as the most effective disinfectant in destroying bacteria and viruses. The traditional source of chlorine has been bleach/sodium hypochlorite solution, which is freely available.

However, sodium hypochlorite has inherent disadvantages:

1. Instability - sodium hypochlorite degrades with age, and in adverse conditions can lose most of its strength.

2. Its solution is corrosive, both to skin and eyes of users, and to metals commonly used in heating/cooling systems.

3. It is difficult to store and handle, and containers should have vented caps for safety.

4. Available strength varies widely, making it difficult to ensure accurate free chlorine levels.

#### Instructions for use:

As a rough guide, 50 MINITABS are sufficient for treatment of 1000 litres of water, when a chlorine level of 50 ppm is required. Add tablets to water to obtain desired strength free chlorine solution. Tablets will dissolve faster in warm water.

1 tablet in:	Gives available chlorine level of:
20 litres	50 ppm
200 litres	5 ppm
1000 litres	1 ppm

Typical target usage levels are 5 ppm available chlorine for pre- and post-chlorination of cooling towers, and 50 ppm available chlorine for calorifier sterilisation.

#### Corrosion aspects of Kamchlor Tabs versus sodium hypochlorite

Metal	Water (Control)	KAMCHLOR TABS	Sodium hypochlorite
Mild steel	+++	+++	++++++
Galvanised steel	+	+	+++++
Copper	+	+++	+++++
Brass	-	+++	++
Aluminium	+	+	+++
Stainless steel	-	-	-

Immersion period:- 25 hours, in solutions with 1000 p.p.m. free chlorine

#### Key:

- No effect
- + Mild Tarnishing
- ++ Moderate Tarnishing
- +++ Pronounced Tarnishing
- ++++ Mild Corrosion
- +++++ Moderate Corrosion
- ++++++ Pronounced Corrosion

## Kamchlor Tabs

Packaging	300 tablet screw-top packs, cartons of 5 x 300 tablet packs.
Technical and handling data:	
Description	White tablets containing sodium dichloro-isocyanurate, plus inert compounds chosen to effervesce for quick dissolution of tablets.
Effect when added to water	Hypochlorous acid in solution is produced
Shelf life	In excess of 3 years at ambient temperatures.
Storage	Store in a cool, dry place.
Spillage	Sweep up and dispose by flushing away with copious amounts of water.

## Other products for use in water services sterilisation

### CHLORINE LEVEL TEST KITS

The chlorine level test kit gives a quick and practical check on the level of free chlorine in a test sample of water, to ensure both effective sterilisation and adequate flushing after the sterilisation process.

Type of test: Tablet reagent, colour matching.

Water sample size: 10ml

No. of tests per kit: 50

Two 10 ml. measures, and full instructions are included with the kit.

### NEUTRALISING AGENT FOR FREE CHLORINE

Fast dissolving crystals based on sodium thiosulphate. Used to neutralise chlorine solutions after sterilisation has been completed, and before discharge of the chlorinated water to waste.

No. of gm sodium thiosulphate required = Volume of treated water, in cubic metres, x 2 x p.p.m. (mg/l) of free chlorine, i.e. 1000 litres of water @ 50 p.p.m., quantity required = 1 (cubic metre) x 2 x 50, = 100g sodium thiosulphate.

An approximate working guide is 2g. sodium thiosulphate per one Kamchlor tablet.

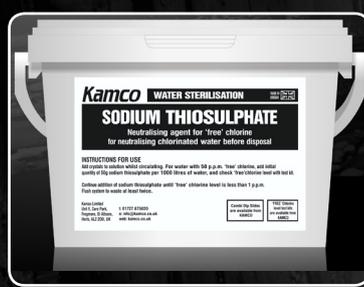
PACKAGING: 2.5kg pails.

### COMBI DIP SLIDES

Carton of 10 dip slides. Used to check the microbiological contamination of water services. Indicates presence of bacteria, enabling continuing effectiveness of biocide treatment to be checked, and indicating if remedial cleaning or disinfection should be carried out.



Chlorine level test kit



Sodium thiosulphate



Combi dip slides



Exposed dip slide