



Quick acting chlorine release tablets for accurate sterilisation of water systems

Kamchlor Tabs - the modern solution

KAMCHLOR TABS are a safe, easy to handle source of free chlorine, enabling accurate solutions to be made up. The product is in tablet form, to give a pre-measured dose, enabling non-technical users to make up accurate in-use solutions at the desired level.

KAMCHLOR tabs are simply added to water, and allowed to dissolve. The large surface area in relation to mass, combined with effervescent properties, ensures rapid dissolution in water systems.

On a strength for strength basis, KAMCHLOR TABS possess greater biocidal properties than liquid bleach, whilst tests show that they are less corrosive to metals than bleach.



KAMCHLOR TABS provide a pre-measured dose, reducing the risk of over dosing and subsequent corrosion, which is commonplace using sodium hypochlorite solutions.

Background:

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.*


Telephone HelpLine:
01727 875020

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

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.

Packaging:

MINITABS are available in 300 tablet screw-top packs and cartons of 5 x 300 tablet packs.

Technical & handling data:

Description: White tablets containing sodium dichloro-isocyanurate, together with inert compounds chosen to effervesce for quick dissolution of tablets. 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: Table re-agent in 10 ml. water sample - colour matching.

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 and 15kg 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.

