

SHIPSAN®

SHIP SANITATION CERTIFICATE
TESTING AND COMPLIANCE

POTABLE & DOMESTIC WATER TREATMENT

Super-chlorination:

NEW SHIPSAN® SPRAY METHOD

Persons inspecting or working in freshwater tanks should wear clean protective clothing and footwear which has not been used for any other work area and they should not be suffering from any skin infection or communicable disease.

Super-chlorination using Shipsan® - Spray Method - fast and efficient

Radically reduces the procedure time • Huge saving in Disposal Costs • Saves valuable ship time

It is ideal for use in water hygiene storage tanks and pipe work treatment applications, where it quickly eradicates Legionella, Pseudomonas and other microbes. Available in 25L, 200L, 1,000L IBC's.

Tank clean (MGN 397); "To be opened up, emptied, ventilated and inspected and thoroughly cleaned, recoated as necessary, aired and refilled with clean freshwater chlorinated to a concentration of 0.2ppm free chlorine. The cleaning process should include disinfection."

- 1 Clean and rinse the tank and pump out residue.
- 2 Dilute 1 litre Shipsan to 20 litres of deionised water (200 ppm free-chlorine).
- 3 Spray all surfaces with Shipsan® (diluted as above) and leave for a few minutes to Superchlorinate/Disinfect.
- 4 Rinse the surface and pump out residue.
- 5 When using Shipsan spray method for super-chlorinating the freshwater tanks consideration should be given to the distribution system;

Hydrophore System:

Using a Hydrophore system: The hydrophore tank requires a solution of 200ppm (Measured as Free Chlorine) Shipsan is then used to sanitise the distribution system, operating all outlets to ensure the chlorination is achieved at all points, followed by flushing after 30 minutes. (200ppm Shipsan = 1 Litre Shipsan to 20 Litres de-ionised water).

Positive Pressure Pump System:

Using a positive pressure pump system direct feed from the fresh water tank. After Super-Chlorinating the fresh water tank using Shipsan as above procedure, use a cofferdam to supply the pump inlet pipework should be filled with a solution of 200ppm (Measured as Free Chlorine) Shipsan to be used to sanitise the distribution system, operating all outlets to ensure the chlorination is achieved at all points followed by flushing after 30 minutes. (1 Litre Shipsan to 20 Litres de-ionised water).

- 6 Refill the tank to achieve typically 0.2ppm - 0.5ppm. (As per the levels indicated in your Water Safety Plan) using Shipsan. Test the water for free chlorine.



Health & Safety: It is recommended that adequate care and precautions should be taken when handling and using chemicals or biological agents. Suitable protective clothing and safety equipment should be worn during the Super-chlorination process.

(Potable water test kits etc are available on request helping you comply with the latest regulations)

Shipsan is a registered brand of Bayer-Wood Technologies Ltd
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SHIPSAN®

Dosage for Drinking Water on board, Ideal where an infection has been identified

Using Shipsan to dose ready for drinking instead of Sodium Hypochlorite or Calcium Hypochlorite Liquid or Tablets: Refill the tank to achieve 0.2ppm at the tap or 5ppm in the tank free chlorine using Shipsan®. Sample the water for free chlorine. Shipsan will give a stable free-chlorine level.

Dosage Guide: Dose for drinking Water: You will need to use 125ml of Shipsan per tonne of drinking water, this will give you 0.5ppm in the tank. For drinking water the line should be dosed immediately into the line via a dosing meter prior to distribution point after the storage tanks.

Free-Chlorine Test Kits

Free-Chlorine test Kit 0-4ppm (in 0.2 graduations) 100 tests
(50 free-chlorine & 50 total chlorine).

This is a very easy test kit which has proved very popular because it is straight forward. This will cover drinking water testing of 0.2 p.p.m. Kit includes Test kit tablets and comes in hard protective case.

Digital or manual test options available. Please call for advice on dosing drinking water 01684 290077

Super-chlorination: Freshwater Hoses

Persons inspecting or working in freshwater tanks should wear clean protective clothing and footwear which has not been used for any other work area and they should not be suffering from any skin infection or communicable disease.

HOSE Super-chlorination using Shipsan®

It is ideal for use in water hygiene storage tanks and pipe work treatment applications, where it quickly eradicates Legionella, Pseudomonas and other microbes. Available in 25L, 200L, 1,000L IBC's.

FW Hoses (MGN 397); "FW Hoses. Flush and fill with a chlorine solution and allow to stand for at least an hour before emptying and stowage."

Minimum 6 Monthly intervals. Using Shipsan;

- 1 It is recommended that the filling hose is connected to the ship's filling line with internal valves in the shut position.
- 2 Dilute 1 litre Shipsan to 20 litres of deionised water (200ppm free-chlorine).
- 3 Sterilization - Fill with Shipsan and allow to stand for a few minutes before discharging.
- 4 Ensure the fresh water filling connection and hoses are capped before stowing.

Shipsan is an excellent choice for chlorinating the fresh water system components because it does not have the corrosive effect of traditional chlorination products nor does it carry the hazards of use.

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