Marine Bleach Disinfecting Treatment Systems

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MSD—Marine Sanitation Devices with Final Chemical Disinfection

This system consists of ether no treatment other than chlorine disinfection or several stages before the disinfection stage .That ether aerate or circulate the waste to promote bacterial digestion of the waste before disinfection and discharge over the side.

Noflex can only be used to clean these types of smaller systems.

It can not be used as a ongoing treatment during the functioning of this small units
Refer to Heavy Marine systems if you have this type but larger.

Danger ----Chlorine Tablets or liquid will react with Noflex releasing Chlorine Gas

These systems rely on maxim area usage of their tanks to promote bacterial reduction of waste. If the area inside the tanks is reduced because of build up of sludge functionality of the unit is dysfunctional and it has to be cleaned.

First Stage tank (Media Tank) is a air injection into the bottom of tank causing the circulation of liquids (or mechanical pump) in an upward motion over media that with the added air it accelerates the digestion of the waste.

Second Stage (Wet well) were the treated waste from first stage over flows to a low turbulence holding tank were the solids are normally return to primary stage or drained off as sludge .
The clear effluent from this stage discharges to the stage three

Third Stage (disinfection stage) Clarified waste water flows over into this tank where chemical treatment is introduced after a predetermined dwell time for disinfection the product is discharged

Cleaning

Noflex will react with any chemical disinfectants that are used in these type of systems so they must be removed from the area before cleaning (de sludging) can begin.

Open inspection hatches if possible or us inlet valves opening to add the Noflex
If possible remove any sludge manually and dispose of.

In each of the tanks sprinkle 30 grams (one oz) for every 1 kg (2.2lb) of waste you think maybe in that tank .
Pour one inch water over top of the waste in all tanks and let sit for 12 hours.
If needed pump out and repeat.

After clean rinse with water and reseal hatches or intake outlets you removed to clean system.

Place system back into service