



## PRODUCT DATA

PD 134

# SODIUM HYPOCHLORITE

### DESCRIPTION AND USE

Sodium hypochlorite is used to eliminate bacteria and micro-organisms prior to the membrane system. The presence of bacteria at the membrane surface can result in the formation of a biofilm which leads to an increase in operating pressure and decrease in product output.

Sodium hypochlorite is also used in potable water to keep it clear of bacterial contamination.

### GENERAL SPECIFICATION

Appearance : colorless Liquid  
pH : 12.00  
Specific gravity : 1.24  
Viscosity (cps)<sup>3</sup> : 12 %

### TREATMENT AND DOSAGE REQUIREMENT

Sodium hypochlorite is normally dosed to reach between 0.30-1.0 ppm of free chlorine in brackish water and between 1.5-3.0 ppm in the case of sea water. These dosage rates may vary depending on the level of microbial activity of feed-water used.

Sodium hypochlorite should be dosed continuously to feed water by a compatible metering pump. It should be applied as early in the system as is practicable to ensure an adequate contact time prior to the membrane system. Multi media filters and cartridge filters will then remove most of the oxidized organic matter.

When used in product water, sodium hypochlorite should be dosed to give a residual chlorine reserve of between 0.3-0.8 ppm.

### PRODUCT BENEFITS

Broad spectrum disinfectant  
Effective to eliminate biofilms  
Easy to apply and monitoring  
Approved for use in drinking water

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