

Sodium Thiosulphate Powder (Pentahydrate)

Description

WATER TREATMENT

Product Code: 350006

DECHLORINATING AGENT FOR BALLAST WATERS PRIOR TO DISCHARGE AND FOR ANY WATER THAT HAS BEEN TREATED WITH CHLORINE AS A DISINFECTANT

DESCRIPTION

Sodium Thiosulphate Powder (Pentahydrate) Technical Grade has a wide range of applications related to water treatment and chemical reactions. Used to dechlorinate ballast waters prior to discharge to the environment, and as a dechlorinating agent for any water that has been treated with chlorine as a disinfectant. This is important because excess chlorine can be harmful to marine life and can also cause corrosion and other damage to equipment on board ships.

The solution is readily available from **New Age Chemicals** as [Sodium Thiosulphate 30% Solution](#).

USE AND DOSING

De-chlorination: Instructions are based on experience and are meant only as a guide since circumstances for each de-chlorination process vary. They are not intended to interfere with the judgment of the vessel's responsible personnel.

Prepare a 40% solution in water and administer it at a rate of 9.0 ml per cubic meter of solution for every 1 ppm of free chlorine in the water being treated. Use **New Age Chemicals** [Free Chlorine Test Kit](#) to track the decrease in free chlorine levels. For ongoing applications, ensure the use of a suitable storage tank and a chemical dosing pump.

CHARACTERISTICS

Property	Specification
Form	White crystalline powder
CAS No	10102-17-7
Formula	$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Purity	>99%
pH (10% solution)	6.5 – 8.0
Freezing point (30% solutions)	-10°C
Iron	<5.0 mg/kg

Property	Specification
Heavy metals	<3.0 mg/kg
Solubility	Fully soluble in water
Density	1.20 ~ 1.30 g/cm ³

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