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Genesys RED Chlorine Reducer

Genesys RED is a reducing agent for removing dissolved oxygen and residual chlorine from feed waters. Genesys RED is used in Reverse Osmosis and Nano-Filtration systems with polyamide membranes where any residual chlorine can adversely affect membrane integrity. Genesys RED will react rapidly with chlorine but relatively slowly with oxygen.

Application

Genesys RED should be dosed continuously to the feed water upstream of the cartridge filter. The recommended dose rate is 11 mg/L for each 1 mg/L of active chlorine.

Genesys RED is fully miscible with water in all proportions, but should only be diluted using chlorine-free water.

Health and Safety

Genesys RED is a concentrated solution of sodium metabisulphite. It is compatible with AISI stainless steel, polyethylene, polypropylene, PVC, glass and rubber. When handling the chemical product, strictly follow all safety precautions that appear on the drum label or the material safety data sheet which is available on request.

Classification

CHIP: Harmful | UN: Non hazardous

Packaging

Available in 25 kg kegs, 250 kg drums and 1,300 kg IBCs.

Shelf life is 12 months under normal storage conditions. The container must be kept closed when not in use. Keep away from oxidizing agents.



Prevents damage by chlorine



Membrane oxidation damage

- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Compatible with all types of polyamide membranes
- ✓ Removes chlorine from feed water
- ✓ Suitable for use in drinking water and food industry applications

Typical properties

Appearance:	clear / pale yellow liquid
pH as supplied:	3.0 - 6.0
Specific gravity:	1.30 - 1.32
Freezing point:	< 6°C

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