

## ARO-101 FERROCLEAN

- Fast and effectively remove inorganic scale from membranes
- Maintain RO performance
- Suitable for for both Ballast Water System UV and Electro-chlorination type system cleaning-in-place (CIP) cleaning.
- Economic dosage
- Easy application

### PRODUCT DESCRIPTION:

ARO-101 FERROCLEAN is an inhibited organic acid- based (Citric Acid) product specially formulated to dissolve and remove inorganic scales and iron rust from polyamide, polysulfone and thin film composite membrane surface.

It also can be used for Ballast Water System cleaning-in-place (CIP) cleaning of Prefilter/filter and other related applications.

The use of ARO-101 FERROCLEAN will eliminate costly down time and expensive manual descaling operations.

ARO-101 FERROCLEAN contains a surfactant for quicker penetration into deposits and increase cleaning power.

### APPLICATION:

#### For Reverse Osmosis system

Add 1 litre of ARO-101 FERROCLEAN for every 50 litres of fresh water into the recirculate cleaning tank. The solution is then recirculated for 1 – 2 hours depending on the quantity of the deposit. The solution can be heated up to 54°C for better results.

Open concentrate valve and circulate the solution through the membrane bank in the feed direction at the flow rate recommended by the membrane manufacturer. When cleaning operation is completed, the reverse osmosis system should be flushed thoroughly.

Return concentrate valve to operating position and operate reverse osmosis system to drain until permeate solution quality returns.

#### For Ballast water system (CIP)

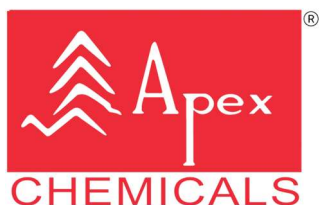
Add 1 litre of ARO-101 FERROCLEAN for every 50 litres of fresh water and fill into the CIP cleaning tank.

Follow cleaning instruction from equipment OEM

### SPECIFICATION

#### General

Invent Hazard Material (IMO/EU) Classification: C-49



### **PHYSICAL PROPERTIES**

Appearance	: Pink
Relative Density	: 1.02 – 1.12
Form	: Liquid
pH	: 1.2 – 2.2

**Packaging** : Supplied in 25 litres non-returnable containers.

### **Important information:**

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products handling procedures to protect your employees. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using.

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