



Code: **161161360**

UNICLEAN BALLASTPROTECTOR CIP

Uniclean Ballastprotector CIP is a highly effective environmentally friendly cleaning agent that removes the scale and the metal oxides.

Product characteristics

Appearance: Clear/Light Yellow Liquid

Density: 1.05-1.15 g/cm³

pH: 1-2

Solubility: Soluble in water



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DESCRIPTION:

Highly effective non-hazardous environmentally friendly cleaning agent that is used for the removal of scale and metal oxide based on citric acid. It is suitable for use as Cleaning in Place (CIP) processes and manual cleaning. Uniclean Ballastprotector CIP is specially formulated to be used for Ballast Water System, cleaning Prefilter/ filter cleaning and other related applications.

BENEFITS

Eliminates scale, magnetite, algae, humus, mussels, shellfish, lime, rust, and other deposits from water systems, including pipes, plate heat exchangers, and centrifugal separators.

Improves solubility and dispersing activity to reduce precipitation and redeposition.

Safer to handle and less hazardous than other strong acids, like sulfuric and hydrochloric acid-based cleaners.

Easier to use as compared to solid products, eliminate solubility related issue.

DOSAGES:

The recommended mixing ratio is 1:6 in water. Mix the solution thoroughly before use. Recommended cleaning temperature is 50-70° C, as the cleaning efficiency increases with higher temperature. Normal cleaning time is 3 to 6 hours.

The most effective way to control the cleaning process is by continuously monitoring the pH level of the recirculated liquid. Typically, the pH will rise during cleaning and stabilize after a few hours. If the pH stabilizes in under an hour, it indicates that the deposits are likely coated with oil or grease. In such cases, it is advisable to add Alkaclean HD to the cleaning solution.

If the pH exceeds 3.5 (usually due to significant lime deposits), an extra dose of Uniclean Ballastprotector CIP should be added.

STORAGE AND HANDLING:

Storage should be done at 0–50°C. For safe handling, wear protective equipment as described in the Material Safety Data Sheet.