



Membrane cleaning & descaling agent EAC-Na4

Traditional membrane cleaning and descaling agent EDTA (Na₂, Na₄) has poor biodegradability and causes environmental issues. It has been prohibited by the EU since 2002. Gracess specially developed this EAC-Na₄ with excellent biodegradability and much more stable than EDTA. EAC-Na₄ has 4 Carboxylic acid groups and provides perfect performance in chelating, dispersing, and descaling. It can replace the traditional phosphate, EDTA, and NTA... products. Environmentally friendly and can apply to clean the various membranes, such as flat membrane, RO membrane, hollow membrane...etc.

Physical properties

- Appearance: Light yellowish liquid
- Composition: Natural amino acid composition
- Solid content: ≥30%
- pH value: > 8 (Original liquid)
- Density (20°C)/g·cm³: > 1.2

Characteristics / Features

- Extraordinary chelating performance. Suitable for cleaning the calcium scales or equipment which is hard to clean. It helps to recover the water flux of the membrane.
- Applicable for wide pH range. High solubility.
- Strong detergency, non-ecotoxicity, and no irritation to skin and eyes.
- The product has excellent stability to high temperatures. It can pass thermogravimetric analysis. Under the test of 170°C x 6 hours or 150°C x 7 days, no decomposition. Under the 100°C-performance test, it has better performance than other chelating agents.
- The product contains natural amino acids. It provides perfect antibacterial and preservative features.
- Applicable for various membranes. Excellent desalination rate helps to proceed with the reclaimed water reuse.
- Biodegradable, environmentally friendly.

Application

- General dosage: 1~3kg / per ton
- Please adjust the dosage based on the condition of the membranes.
- If the membrane is under the serious blockage, please soak the membrane with EAC-Na₄. It helps to recover the water flux of the membrane.
- EAC-Na₄ can be used as the membrane preservative, to prevent the flux decreased by drying.

Package

- 25Kg / Drum

LIMITED WARRANTY INFORMATION - PLEASE READ BEFORE ANY APPLICATION:

- The data presented in this brochure are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt.
- We reserve the right to alter product constants within the scope of technical progress or new developments.
- The recommendations made in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used.
- The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights or patents and, if necessary, clarifying the position.
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- We disclaim any responsibility for any dispute regarding product quality between agent and end user.
- Our sole warranty is that our products will meet the sales specifications in effect at the time of shipment.