



EFX-2100 Cleaner

DESCRIPTION

EFX-2100 is a blend of surfactants and defoamers designed to be added to a caustic cleaning solution to enhance the performance of offline cleaning of inorganic deposits in ethanol plant evaporators, syrup lines, and fermenters. The resulting cleaned surfaces will display improved heat transfer and will limit biological growth. The components in EFX-2100 are considered GRAS (Generally Regarded as Safe) and approved as a minor ingredient in animal feed through ethanol process waters under FSMA guidelines.

BENEFITS

- More economical due to concentrated formulation
- Ultra-low foaming additive
- Composed of GRAS and AAFCO compounds
- Acceptable for use in animal feed

PRODUCT SPECIFICATIONS

Product State	Liquid
Appearance	Clear, Amber Color
Odor	Mild, Sweet
Solubility in Water	Soluble
pH	7.5 – 8.5
Specific Gravity	1.07 ± 0.02

DIRECTIONS FOR USE

Use only as described by your Apex Water + Process Technical Service Representative. EFX-2100 was developed for offline cleaning applications, specifically in alkaline cleaning solutions. Though product dosage can vary, EFX-2100 is typically added to NaOH-50% at a target concentration of 2.5% to enhance the performance of the cleaning solution. After cleaning, the system may be rinsed prior to use.

FEEDING

The product may be added neat to systems via a metering pump or other means to keep the concentration at proper levels.

STORAGE

It is recommended to keep this product stored in a sealed container with an ambient temperature of 45-95°F. Storing in these conditions will result in a 1-yr shelf life.

SAFETY

Read and understand the SDS before use of this product. Wear all personal protective equipment (PPE) as described in the SDS before use. This product is inherently caustic and its use warrants protection of eyes and skin. Make sure the location of all eyewash stations is determined before use.

PACKAGING

- 5 gal Pail
- 15 gal Drum/SafeFeed™
- 30 gal Drum/SafeFeed™
- 55 gal Drum/SafeFeed™
- 275 gal Tote/SafeFeed™