

APOLLO NO. 327



PRODUCT DESCRIPTION

Apollo No. 327 is a premiere non-ionic surfactant additive designed to improve cleaning of membrane filtration systems, intended for use on Ultrafiltration and Microfiltration polymeric membranes. Apollo No. 327 is formulated without alkylphenol ethoxylates (NPE-free & APE-Free).

FEATURES & BENEFITS

- Patented surfactant blend improves fat emulsification
- Reduces surface tension to improve soil penetration and increase protein and fat removal
- Lower flavor profile protects sensory profile of finished products
- Free-rinsing formula
- Cold temperature stable concentrate
- Improves cleaning of high fat application membrane systems
- Compatible with polysulfone and PVDF membranes
- Highly concentrated but safe for wastewater treatment plants

USES & APPLICATIONS

Apollo No. 327 is typically used at a rate of 0.06-0.2 Fl. Oz / U.S. Gal water in an alkaline wash solution. Consult your Hydrite representative for specific use recommendations.

AUTHORIZATIONS

Apollo No. 327 is approved for use in all food plants including dairy, beverage, egg, meat and poultry facilities.

To learn more and request a trial visit www.hydrite.com

NPE FREE INITIATIVE

FREQUENTLY ASKED QUESTIONS



Question: What is NPE and where is it used?

Answer: Nonylphenol ethoxylate (NPE) is a nonionic surfactant that has historically been used in a variety of cleaning applications, including the cleaning of membrane filtration units.

Question: Why is there concern over the use of NPE?

Answer: Academic and governmental research has shown NPE to be toxic to aquatic species when present in wastewater streams. NPE also has been shown to be a bio-accumulator and endocrine disrupter. As a consequence, agencies throughout the world have begun to regulate the use of NPE.

Question: What does the current regulatory situation look like?

Answer: The use of NPE and OPE has been banned in the European Union (EU). Products being exported to the EU have a maximum residual NPE level of 10 ppb. In the United States, the EPA has instituted Significant New Use Reporting (SNUR) requirements which may ultimately lead to restricted NPE usage.

Question: How does this impact the food & beverage industry?

Answer: Producers or their customers who are shipping product to the EU or other regions following similar regulations may be unable to ship product produced using membranes cleaned with an NPE or OPE surfactant.

Question: How is Hydrite Chemical Co. addressing the concerns over NPE?

Answer: Hydrite has removed NPE surfactant from nearly all formulated products.

Question: Is there a change in performance from traditional cleaning products?

Answer: No. Industry trials have shown the cleaning efficacy to be equal to or better than other phenol-based and phenol-free cleaning methods, often with a reduction in usage rate.