

# HYDRICLEANSE #325



## PRODUCT DESCRIPTION

HydriCleanse #325 is a highly concentrated, nonionic surfactant additive designed for membrane cleaning applications. The product is formulated without the use of nonylphenol ethoxylates (NPE).

## FEATURES & BENEFITS

- Effectively removes protein and fat soils
- Improves the cleaning efficiency of alkaline products
- Reduces surface tension for better cleaning efficacy
- Compatible with PS, PES and PVDF membrane filtration units
- Non-phosphated to reduce effluent phosphorus levels
- NPE free formulation

## USES & APPLICATIONS

HydriCleanse #325 is typically used at a rate of 2 to 8 ounces per 100 gallons of water in an alkaline wash solution. Consult your Hydrite representative for specific use recommendations.

## AUTHORIZATIONS

HydriCleanse #325 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.hydrите.com/NPE](http://www.hydrите.com/NPE)

# 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.

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**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.

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**Question:** What does the current regulatory situation look like?

**Answer:** The use of NPE 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.

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**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 surfactant.

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

**Answer:** Hydrite has started an NPE free initiative that will result in the removal of NPE surfactant from all formulated products.

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**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 traditional cleaning methods.