



A Division of Florida Chemical Company, Inc.

FC PRO Surfactant 450

Introducing Surfactant 450 – an alternative replacements for alkyl phenol ethoxylate (NPE).

Surfactant 450 is a performance product that is designed as drop in replacements for Nonylphenol 9EO and Nonylphenol 10EO surfactants.

Surfactant 450 has excellent biodegradability and low to moderate acute oral and dermal toxicity. Their irritancy potential is similar to materials derived from coconut alcohols.

Surfactant 450 versus NPE Biodegradability

What separates environmentally acceptable surfactants from those that are environmentally unacceptable, is the capability of that surfactant to biodegrade during its residence time in the waste treatment process. The Environmental Protection Agency (EPA) has published a number of laboratory-based guideline tests to screen chemicals for their biodegradability (40 CFR, Parts 796-3100 to 796-3360, 7-1-91 edition).

Surfactant 450 has been shown to be readily biodegradable when subjected to these tests. A product which is readily biodegradable falls into the most biodegradable classification as defined by EPA.

FC PRO SURFACTANT 450 Properties					
Melting Range, °C	Sp. Gravity @ 25 °C	Surface Tension (0.1 wt%)	Cloud Pt. °C	Pour Pt. °C	HLB
2 to 15	0.98	27	64	8	13.1

The data in this bulletin list some of FC PRO Solutions standard products and their typical properties. For samples and technical assistance, we invite you to write or call.