

NONYLPHENOL ETHOXYLATE



CAS Number: 20427-84-3

Other Name: Nonoxynol-3; 2-[2-(4-Nonylphenoxy)ethoxy]ethanol;
Ethoxylated nonylphenol; Igepal CO-630; Alfenol; Agral

Formula: $C_{19}H_{32}O_3$

PRODUCT INTRODUCTION

Nonylphenol Ethoxylate (NPEs) appears as colorless liquid or white solid with a mild odor. It may float or sink in water. NPEs are commonly used as a non-ionic surfactant, as an emulsifier, or as a metal cleaner, depending on the degree of polymerization.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance at 30°C	Colorless Viscous Liquid
Moisture Content (%)	0.25
Hydroxyl Value (mgKOH/g)	96.4
pH (1 % in Aqueous Solution)	6.74
Cloud Point (°C)	56

APPLICATIONS

- Nonylphenol Ethoxylate is used in manufacturing antioxidants, lubricating oil additives, laundry and dish detergents, emulsifiers, and solubilizers.
- These compounds are also precursors to the commercially important non-ionic surfactants alkylphenol ethoxylates and nonylphenol ethoxylates, which are used in detergents, paints, pesticides, personal care products, and plastics.

PACKAGING OPTIONS

Drums

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