

Technical Bulletin

Plurafac[®] LF-221 Alcohol Alkoxylate

Plurafac LF-221 is a low-foaming nonionic surfactant composed of an alkoxylated fatty alcohol.

Applications

Plurafac LF-221 surfactant is compatible with other nonionic surfactants such as our Iconol™ ethoxylated alcohols and Plurafac alcohol alkoxylates. Plurafac LF-221 is also compatible with anionic and cationic surfactants, and is not affected by water hardness.

Plurafac LF 221 is used in rinse aids for household and institutional dishwashers, either alone or in combination with other products from the Plurafac range. It's high wetting power, coupled with a low tendency to foam, is particularly effective in hard surface cleaning formulations.

Plurafac LF-types are resistant to acids and Plurafac LF-221 surfactant is especially suited for use in strongly acidic solutions. Plurafac LF-221 is resistant to formaldehyde phosphates, silicates, soda ash and most other acids and alkalis including hydrochloric acid, phosphoric acid, and citric acid.

Standard packaging

55-gallon, non-returnable steel drum (420 pounds net, 460 pounds gross)

Shelf Life

BASF will endorse the results on the certificate of analysis for a period of up to two years from the date of manufacture for material in original, unopened, properly stored containers. Beyond two years, we recommend the

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For More Information

Order Placement

To place orders for delivery in the United States please call our toll free number (800) 443-6460. To place orders for delivery in Canada please call BASF Canada at (800) 267-2955.

For Other Information

Including product literature and Material Safety Data Sheets please call (734) 324-6101.

Or Visit Our Website At:

www.performance.basf-corp.com

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quality of the material be confirmed prior to use by retesting the certificate of analysis parameters.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

Specifications

Cloud point (1% aqueous).....	31 – 35°C
Color, APHA.....	50 max.
Water, weight %.....	4.0 – 6.0
pH (1% aqueous).....	5.0 – 8.0

Typical physical properties

Form	Liquid
Concentration, %	95
Water content, %	5
Average molecular weight.....	782
Specific gravity, 25°/25°C.....	1.00
Pour point.....	5°C
Cloud point (1% aqueous).....	33°C
Surface tension (0.1% aqueous).....	30 dynes/cm at 25°C