

MILES® SURFACTANT NP-9

Nonylphenol Ethoxylate (9 EO)

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® Surfactant NP-9 is a nonionic nonylphenol ethoxylate surfactant with an average of 9 moles of ethylene oxide. It is a pale yellow, 100% active liquid that provides strong detergency and wetting, low odor, and good rinsability.

It is soluble in water and compatible with soaps and anionic and other nonionic surfactants. It is used in industrial cleaners and detergents, laundry, paper and textile processing, paints and coatings, dust control, agrochemicals, and metalworking fluids. Available in drums and totes.

Chemical Name: Nonylphenol ethoxylate (9 EO)

CAS Number: 127087-87-0

Actives: 100 wt%

HLB: 12.9

TYPICAL APPLICATIONS

Miles® Surfactant NP-9 is suitable for use in applications including:

- Cleaners and detergents
- Laundry
- Paper and textile processing
- Paints and coatings
- Dust control
- Agrochemicals
- Metalworking fluids

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	Pale yellow liquid
Chemistry	Nonylphenol ethoxylate, nonionic
Average Moles of Ethylene Oxide	9
Cloud Point (1% Aqueous)	54°C (129°F)
Pour Point	-1°C (30°F)
Density	1.055 g/mL at 20°C
Viscosity	243 cP at 25°C
pH (1% Aqueous)	approx. 6
Flash Point (Closed Cup)	247°C (477°F)
Surface Tension (1% Actives, 25°C)	32 dynes/cm
Solubility	Soluble in water, chlorinated solvents and most polar solvents

The values shown are typical physical properties and are not intended to constitute product specifications.

PRODUCT FEATURES

- Excellent detergency and outstanding wetting
- Versatile solubility; soluble in water
- Low odor and good rinseability
- Compatible with soaps and anionic and other nonionic surfactants
- Chemically stable with dilute acids, bases and salts

STORAGE & HANDLING

Store in tightly closed containers. The pour point is -1°C, so the product may thicken or solidify in cold storage; warm gently and mix before use.

Some customers and regions prefer NPE-free surfactants; see our C9–C11 alcohol ethoxylate (91-6) as an NPE replacement. Consult the applicable Miles® Safety Data Sheet (SDS) before

handling, storing, or using this product.

AVAILABLE PACKAGING

- 460-Pound Drums
- 2,421-Pound Totes

Packaging availability may vary. Contact Miles Lubricants LLC for current packaging and minimum-order requirements.

IMPORTANT

Miles® Surfactant NP-9 is intended for industrial applications. It should not be represented or used as USP, pharmaceutical, food, cosmetic, or personal-care grade unless the specific product supplied is independently certified for those applications.

PRODUCT INFORMATION

Miles Lubricants LLC

Industrial Lubricants, Chemicals & Specialty Fluids

Product: Miles® Surfactant NP-9 (Drum / Tote)

CAS No.: 127087-87-0

For product availability, technical information, and Safety Data Sheets, contact Miles Lubricants LLC.

DISCLAIMER

The information and typical properties contained in this Product Data Sheet are provided for general informational purposes and are believed to be accurate at the time of publication. Typical values are not specifications or guaranteed properties. Product users are responsible for determining the suitability, compatibility, safety, and regulatory compliance of the product for their particular application. Please consult the applicable Safety Data Sheet before use.