

MILES® SURFACTANT 91-6

C9–C11 Alcohol Ethoxylate (approx. 6 EO)

Product Data Sheet**PRODUCT DESCRIPTION**

Miles® Surfactant 91-6 is a biodegradable, nonionic primary alcohol ethoxylate based on a C9–C11 alcohol with an average of 6 moles of ethylene oxide. It is an effective detergent, wetting agent and dispersant used in household and industrial cleaners, hard-surface cleaners and oilfield applications.

It is recommended as an NPE (nonylphenol ethoxylate) replacement and meets the U.S. EPA Safer Choice criteria. Available in drums and totes.

Chemical Name: Alcohols, C9–C11, ethoxylated (approx. 6 EO)

CAS Number: 68439-46-3

Chemistry: Primary alcohol ethoxylate, nonionic

HLB: Approx. 12.5

TYPICAL APPLICATIONS

Miles® Surfactant 91-6 is suitable for use in applications including:

- Household detergents
- Industrial and hard-surface cleaners
- Wetting agent and dispersant
- Oilfield applications
- NPE replacement in cleaning formulations

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Appearance	Clear to slightly hazy liquid
Average Moles of Ethylene Oxide	approx. 6
Cloud Point (1% Aqueous)	54°C
Pour Point	6°C (43°F)
Density	0.976 g/mL at 40°C
Flash Point	150°C (302°F)
Kinematic Viscosity	21 mm ² /s at 40°C
Water Content	0.1% maximum
Color	50 Pt-Co maximum

Physical property values are typical for C9–C11 six-mole alcohol ethoxylates. Confirm against the manufacturer's data sheet or Certificate of Analysis.

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

PRODUCT FEATURES

- Biodegradable primary alcohol ethoxylate
- Effective detergent, wetting agent and dispersant
- Recommended as an NPE (nonylphenol ethoxylate) replacement
- Meets the U.S. EPA Safer Choice criteria

STORAGE & HANDLING

Keep containers closed and away from flammables, oxidizers and corrosives. Freezing can change the physical condition of the product without damaging it; thaw and mix before use, and avoid localized overheating.

Consult the applicable Miles® Safety Data Sheet (SDS) before handling, storing, or using this product.

AVAILABLE PACKAGING

- 464-Pound Drums
- 2,205-Pound Totes

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

IMPORTANT

Miles® Surfactant 91-6 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 91-6 (Drum / Tote)

CAS No.: 68439-46-3

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. Physical properties shown are typical for C9–C11 six-mole alcohol ethoxylates and should be confirmed against the manufacturer's data sheet or Certificate of Analysis.