

# Technical Bulletin

## Plurafac® SLF 180



Plurafac® SLF 180 is a nonionic surface active agent. Essentially 100% functional, it is designed specifically for low-foaming applications.

### Solubility:

Plurafac® SLF 180 is soluble in the common chlorinated solvents and in aromatic solvents such as benzene, toluene and xylene. It is also soluble in polar solvents such as alcohols, glycol ethers and esters; and in water at temperatures below its cloud point. It is partially soluble in aliphatic hydrocarbons such as kerosene, and essentially insoluble in mineral oil.

### Storage and Handling

Plurafac® SLF 180 is easily handled under ordinary commercial conditions. It will remain clear if stored at 21°C (70°F) or above. When stored below this temperature, turbidity may develop but will disappear upon warming to 24°C (75°F). The presence of turbidity does not affect the surfactant efficiency. Maximum storage temperature is 49°C (120°F). Heating equipment will be required if temperatures are expected to fall below 10°C (50°F). Where color requirements are critical, resin-lined steel, glass-lined steel, or stainless steel are recommended for storage tanks.

### 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 one year, we recommend the 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), °C	16 – 21
pH (1% aqueous)	6.0 – 7.0
Color (APHA)	60 max.
Water, wt %	0.5 max.
Typical properties	
Form	Liquid
Odor	Mild
Surface Active Properties	
Surface Tension (dynes/cm) @ 25 °C	
0.1% by weight	33
Interfacial Tension vs. mineral oil (dynes/cm) @ 25 °C	
0.1% by weight	5
Ross Miles Foam Height, (mm)	initial / after 5 minutes
0.50% by weight @ 25° C	18 / 0
0.25% by weight	18 / 0
0.10% by weight	17 / 0
0.50% by weight @ 60° C	0 / 0
0.25% by weight	0 / 0
0.10% by weight	0 / 0

Plurafac® is a registered trademark of BASF in many countries

**For More Information:**

**Order Placement**

To place orders for delivery in the United States or Canada, please call our toll free number (800) 443-6460.

**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](http://www.performance.basf-corp.com)

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