
Technical Data Sheet

Plurafac® SLF-180 Flex

January 2020

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

Solubility

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

Plurafac® SLF-180 Flex surfactant should be stored at temperatures between 21°C (70°F) and 49°C (120°F). At temperatures below this range, turbidity may develop but will disappear upon warming. The presence of turbidity does not affect the surfactant efficiency. At temperatures above 49°C, discoloration may develop if heated for prolonged periods.

If temperatures are expected to fall below 10°C (50°F), heating equipment will be required. Warm water should be used as the heat source. Avoid the use of high pressure steam. It may cause discoloration in the vicinity of the heating coil.

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 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.



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.
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Specifications	
Color, max (APHA)	60
pH, 1% aqueous solution	6.0 – 7.0
Water, max (%)	0.5
Cloud Point, 1% aq.soln(°C)	16 - 21
Suspended matter	Substantially free
Appearance	Liquid
Odor	Mild
1,4 dioxane, ppm	Not detected at a detection limit of 1ppm

Typical Properties	
Surface Tension @ 25°C (dynes/cm),0.1%	33
Ross Miles Foam Height, initial / after 5 minutes (mm)	
@ 25°C	
0.50% by weight	18 / 0
0.25% by weight	18 / 0
0.10% by weight	17 / 0
@ 60°C	
0.50% by weight	0 / 0
0.25% by weight	0 / 0
0.10% by weight	0 / 0



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