

BYK A-GS-PD-16N

High concentration sulfonate used in non-emulsifier, flow aids, and micro emulsion formulations for oil and gas well acidizing, fracturing, well bore cleaners, and work over applications.

Product Data

Composition

High concentration sulfonate

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Solubility:	Oil and water soluble
pH (1% in IPA/water):	6-8
Appearance:	Clear dark amber liquid
Density (16 °C):	1.02 g/ml
Flash point:	>93 °C

Applications

Oil & Gas Industry

Special Features and Benefits

BYK A-GS-PD-16N is both oil and water soluble and easily mixed. It is primarily used in demulsifier and non-emulsifier formulations employed in acidizing and fracturing. BYK A-GS-PD-16N lowers surface tension in brines and produced water and the interfacial tension between brine and oil. BYK A-GS-PD-16N critical micelle concentration, CMC is < 10 ppm in the 120,000 TDS brine with additional test data below:

BYK A-GS-PD-16N	Surface Tension, mN/m 120,000 TDS brine	Interfacial Tension, mN/m West Texas crude and 120,000 TDS brine
Blank	63.75	9.35
At 100 ppm in brine	27.85	0.65

Recommended Use

Acidizing non-emulsifier formulations	■
Acidizing anti sludge formulatons	■
Fracturing non-emulsifier, flow aid, microemulsion formulations	■
Work over non-emulsifying cleaners	■
Mud washes and spacers	■

■ especially recommended □ recommended

Recommended Levels

5-15 % additive calculated on formulated end use product

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.



Additive Guide



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