



Drilling Fluids, Inc.

Lubricant	DMS
Description	DMS, Di-methyl sulfonate, is a biodegradable drilling surfactant compounded for use in water-base drilling fluid systems.
Uses	DMS is used for lubricity to reduce torque and drag. It is a highly active surfactant used primarily in freshwater or seawater drilling fluids for upper-hole drilling.
Benefits	DMS reduces the shale “balling” tendencies of the bottom-hole assembly, thus lowering torque and drag. This aids in increasing the horsepower at the bit and results in improved drilling rates. DMS is a low foamer and will not create foaming problems. DMS is not limited by the fluid pH. DMS is very temperature stable providing temperature stability extension to most drilling fluid types.
Treatment	The normal treatment level for DMS is 2 to 4 gal/100 bbl of drilling fluid.
Function	DMS coats solids reducing their attraction to each other, the drilling tools, casing, and wellbore.
Typical Physical Properties	Physical Appearance.....opaque liquid Specific Gravity.....1.05—1.06 Hygroscopic.....slightly pH in water.....7.0 Moisture as packaged.....8% by weight
Safe Handling Recommendations	Utilize normal precautions for employee protection when handling chemical products. See Material Safety Data Sheet (MSDS) for this product prior to use.
Packaging	DMS is packaged in 5 gal non-returnable pails and 55 gal non-returnable drums.