



Drilling Fluids, Inc.

DESCRIPTION

USES

BENEFITS

TREATMENT

FUNCTION

TYPICAL PHYSICAL PROPERTIES

SAFE HANDLING RECOMMENDATIONS

PACKAGING

COS

COS is an oxygen scavenger for use in packer fluids. May also be used in drilling fluids

COS is used to remove the free oxygen in fluids which are to remain static in a well for a protracted period. When used in a drilling fluid, it reduces the available oxygen for chloride corrosion.

COS removes the oxygen which might otherwise oxidize the tubulars and tools.

A treatment level of 0.5 ppb or 5 gallons per 100 barrels, is recommended as a safe treatment level for static conditions. This should provide 1400 ppm and will scavenge 8 ppm oxygen. Under normal conditions only 1 to 2 ppm oxygen is present when circulation has stopped. Higher levels must be continuously added while circulating.

COS combines with free oxygen in the fluid, preventing it from reacting with metals in the environment.

Physical Appearance..... Clear pale yellow liquid.
Specific Gravity.....1.38
Odor.....Sulfur Dioxide

Utilize normal precautions for employee protection when handling chemical products. Use of appropriate respirator, gloves, goggles, and apron is recommended for employee comfort and protection. See Material Safety Data Sheet [MSDS] for this product prior to use. Spills may be a slip hazard.

COS is packaged in 5 gallon plastic pails

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