

CAT 752 OS[†]

SULFITE-BASED OXYGEN SCAVENGER

BENEFITS

- Mitigates corrosion caused by dissolved oxygen.
- Performs in water or brine-base drilling or completion fluids.

APPLICATIONS

- 10 gallons per 1000 barrels of system volume (typical)
- Excess sulfite concentration can be measured to confirm sufficient treatment rates.
- Maintain calcium below 1000 mg/L (200 mg/L preferred)
- Pilot testing and corrosion monitoring will aid to determine the appropriate concentration for a specific scenario.

PROPERTIES

- Appearance: Clear to green liquid
- Specific Gravity: 1.25 - 1.38
- Flash Point (Neat): 220°F

TREATMENT RECOMMENDATIONS

CAT 752 OS scavenges dissolved oxygen to produce sulfite ions. 10 -12 ppm of CAT 752 OS will scavenge 1 ppm of dissolved oxygen. For example, 10 gallons of CAT 752 OS would treat 20 ppm of dissolved oxygen in a 1,000 bbl mud system.

CAT 752 OS operates more efficiently at lower calcium concentrations. It is recommended to maintain calcium below 1,000 mg/L, although less than 200 mg/L is ideal. For best results, a chemical metering pump should be used to inject scavenger directly into the circulating system with the discharge tubing submerged below the fluid level in order to prevent contact with the atmospheric oxygen.

Excess sulfite in the mud system acts a defense against dissolved oxygen. Levels can be measured with a sulfite test kit and should be maintained above 100 mg/L.

Pilot testing is recommended to determine the appropriate concentration for a specific scenario. CAT 752 OS performs best as part of a comprehensive corrosion control program that includes elevated pH (where practical) and monitoring.

PACKAGING AND HANDLING

CAT 752 OS is available in 50 lb sacks. Handle CAT 752 OS as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).





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