

# Bore-Scavenger

## PRODUCT DESCRIPTION

**Bore-Scavenger** is a sulfite solution which is added directly into the drilling fluid system as an oxygen scavenger. Bore-Scavenger is stable and will not cause plugging problems nor will they dissolve the filter cake. The use of sulfite solutions will protect drill pipe, pumps, and other metal surfaces that come into contact with the drilling fluids from oxygen corrosion.

## APPLICATIONS

Sulfite solutions should be added continuously directly at the pump suction, using a chemical injection pump or by means of a continuous drip into the suction pit. The feed rate is dependent upon the oxygen concentration present in the fluid, but a good rule of thumb is to use 4 gallons per day per 100 bbls of drilling fluid. Once enough solution has been fed that it has been able to thoroughly mix with the drilling fluids, the residual or excess sulfite concentration should be determined and the feed rate adjusted so as to maintain a minimum of 100 ppm of excess sulfite at all times.

## MONITORING

Base line corrosion rates may be established by running drill pipe corrosion rings in the drill string prior to commencing treatment. The coupons should be run in the drill collar crossover sub, and the Kelly saver sub. If only one coupon is to be run, it should be placed in the drill collar crossover sub. Rings should be run a minimum of 50 hours, although a time period in excess of 100 hours is preferred.

Another useful tool is the galvanic probe and meter. This instrument is capable of giving corrosion rates readings in real time, and should be used in conjunction with the drill pipe corrosion rings. The galvanic probe meter readings should normally be below 20.

## TYPICAL PHYSICAL PROPERTIES

Physical appearance	Clear liquid
Specific gravity	1.05—2.2
Packaging	275 bbl tote tanks

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