

SURF-300



Surfactant Solvent System

SURF300 is a synergistic all-purpose nonionic/anionic surfactant and solvent blend that is widely compatible with cement spacers and alternative chemical washes. SURF-300 is broadly stable at all pH ranges for extended periods while providing immediate wetting and eliminates surface tension. Additionally, SURF-300 possesses a unique range of properties that allows for multifunctional performance. While the agent's emulsifying properties efficiently wets metal casing and formation surfaces, SURF-300 also possesses a strong water-wetting character which allows for a stronger cement bonding with both oil-based and water-based mud systems.

In application, SURF-300 enables the thorough removal of oil-based mud components from casing and formation surfaces and is often used to clear the drilling bit of balling caused by the adhesion of soft clays and shales. SURF-300 competitively counteracts the sticking tendencies of clays and thereby reduces the formation of problematic mud rings allowing solids to be removed.

Advantages & Benefits

- High performance cleaner featuring greener, safer, and milder properties.
- Helps increase cement bonding strength by boosting the cleaning action of spacers and water-wetting the casing.
- Helps increase the drilling rate by counteracting the sticking tendencies of clay, improving bit cleaning and allowing for release and breakup of cuttings.
- Water soluble, mixes easily and is widely compatible with spacers and other environmentally-friendly surfactants.
- Shown to also be successfully used with water-based and oil-based drilling when used with a Spacer system.

Cost

Total well costs are often lower as a result of higher product operational efficiency, fewer performance problems and less rig time. SURF-300 results in lower operational costs as a result of an increased drill rate and an increased cement bonding strength when applied.

Compatibility

SURF-300 is broadly compatible with most water-based and oil-based systems.

Recommended Treatment

1 gal/bbl volume to volume with base fluid depending on the application.

Handling

For specific instructions refer to SDS information or as illustrated on product containers.

Packaging

SURF-300 wetting agent is normally packaged in 5 gallon pails and 55 gallon drums.

Application	Material Properties
Composition	Non-ionic / Anionic Surfactant Solvent Blend
Color	Clear liquid
% Solubility in Water	1 gal/bbl volume to volume with base fluid depending on the application.
Recommended Treatment	1 gal/bbl
pH	6.5 – 8.5

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