

# BaraSurf™-442

## FILTER CAKE BREAKER

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### Product Description

BaraSurf™-442 filter cake breaker is an acid compatible cleaner for removal of filter cake from non-aqueous reservoir drilling fluids. BaraSurf-442 filter cake breaker is suitable for divalent brines and is designed to work with acid to change the wettability of the solids in the filter cake from oil-wet to water-wet while the acid dissolves carbonates in the filter cake in a single step. BaraSurf-442 filter cake breaker can be used with live acid or N-FLOW™ delayed acid generators.

### Applications/Functions

- » Used as a wash treatment in conjunction with acid to clean oil-based filter cake solids
- » This surfactant is not part of the drill-in fluid formulation thereby minimizing probability of whole fluid inversion
- » With acid, the clean-up will render the well-bore water wet
- » Facilitates wellbore cleanup, thereby reducing rig time and broadening use of oil based drill-in fluids

### Advantages

- » Acid compatible
- » Aids removal of non-aqueous filter cake
- » Reduces lift off pressure
- » Can be used with live acid or N-FLOW delayed acid generators
- » Can be used in divalent brines

### Typical Properties

- » Appearance            Clear liquid
- » Freezing point        < 27°F (< 3.0°C)
- » Flash point            > 201°F (> 94°C)
- » Specific gravity        1.04

### Recommended Treatment

- » Use in combination with live acid or N-FLOW delayed acid generators. Add 0.25% to 2.5% (v/v) to filtercake breaker to be used for treating the wellbore. For best results, use between 1 and 2.5 % (v/v). Recommended for high salinity brines.

### Packaging

BaraSurf-442 filter cake breaker for oil-based drill-in fluids is available in 55-gal (208-l) drums.

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