

# ULTRA SPACER® (PATENT PENDING CEMENT SPACER)

M&D Industries of Louisiana, Inc. · P.O. Box 82007 · Lafayette, Louisiana 70598 USA  
www.ultrasealinc.com Phone number: 01.337.984.0471

ULTRA·SPACER® is a patent pending blend of functionalized polymers and bridging agents. ULTRA·SPACER® creates a barrier against the borehole wall, preventing penetration of fluid into the formation. ULTRA·SPACER® reduces pressure transmission from the well bore fluid to the pore fluids, thus increasing the fracture gradient.

## ULTRA-SPACER®

IMPROVE CEMENT BOND / PREVENT GAS MIGRATION  
MINIMIZE FORMATION DAMAGE / INCREASE PRODUCTIVITY

### Note:

- ⇒ Ultra Spacer® is mixed in a concentration of 15 lbs per 42 gallons of water.
- ⇒ For cases in which fluid loss can be total and severe, Ultra Seal® Plus LCM can be added to the spacer mix to enhance fluid loss prevention. Spacer design for these cases should be discussed when planning the application.
- ⇒ When using Ultra Spacer® with oil base drilling fluids the addition of 1 to 2 gallons of Ultra Surf® per 42 gallons of mix water is required. Do not add Ultra Surf® until ready to displace the spacer.

ULTRA SPACER® can be weighted up to 19.0 ppg with barite or hematite!

# ULTRA SURF®

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ULTRA SURF® is a proprietary surfactant for use in drilling fluid clean out and removal of oil film in petroleum exploration projects.

ULTRA SURF® is primarily a strong blend of nonionic surfactants.

ULTRA SURF® exhibits strong water wetting characteristics because of its ability to successfully reduce surface and interfacial tension.

ULTRA SURF® is soluble in fresh

water, brine or hydrocarbon solvents. ULTRA SURF® is especially practical in cement pre-flushes. In this way, it aids in preventing formation water blocks by reducing the surface and interfacial tension. ULTRA SURF® is nonionic and compatible with anionic, cationic, other nonionic additives.

## Properties:

Form: Liquid

Color: Clear to Cloudy

Wt. Per Gal: 8.8 lbs.

Chemical Family: Surfactant/Solvent

Odor: Glycolic

Flash Point: 300°F

## Application:

In conjunction with OBM and the use of ULTRA·SPACER®, two gallon per barrel of water is recommended.

## Packaging:

ULTRA·SURF® is packaged and shipped in five gallon plastic pails. Twenty-Four pails can be shipped per pallet. Average weight per pail is (+/-) 46.0 lbs or 20.9 kg.