

## BARAZAN® D PLUS

### Viscosifier/Suspension Agent

### Product Data Sheet

#### Product Description

BARAZAN D PLUS agent is a powdered, dispersant-added biopolymer (xanthan gum); helps provide viscosity and suspension in fresh water, sea water, sodium bromide, potassium bromide, potassium chloride, and sodium chloride-based fluids. It has been specially formulated to help enhance dispersibility.

#### Applications / Functions

- Viscosify fresh water and brine-based fluids used in drilling, milling, underreaming, and gravel packing operations
- Suspend bridging agents and weighting materials in fresh water and the brine systems described above

#### Advantages

- Helps disperse easily in fresh water or brine with shear
- Helps provide thixotropic properties and non-Newtonian flow characteristics over a wide salinity range at low concentrations
- Helps provide excellent suspension without the need for clays
- Helps minimize the potential for formation damage
- Stable to 250°F (121°C)

#### Typical Properties

- |                             |                        |
|-----------------------------|------------------------|
| • Appearance                | Yellow to white powder |
| • pH, (1% aqueous solution) | 6.3                    |
| • Specific gravity          | 1.6                    |

#### Recommended Treatment

Mix 0.1-2 lb/bbl (0.3-5.7 kg/m<sup>3</sup>) of BARAZAN D PLUS agent, or as needed to obtain the desired viscosity and suspension characteristics.

#### Packaging

BARAZAN D PLUS agent is packaged in 25-lb (11.3-kg) sacks.

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