

## INFORMATION

# MUDUP

### ORGANIC VISCOSIFIER

#### DESCRIPTION

MUDUP is a high molecular weight, nonionic polysaccharide in powder form.

#### APPLICATION

MUDUP is useful as a viscosifier for water well drilling, or for top-hole drilling in oil wells. Low concentrations of MUDUP give high viscosities very quickly in fresh or salty water. MUDUP can be used alone or in conjunction with clays or other inorganic viscosifiers.

MUDUP provides filtration control as well as viscosity, especially when clays or inert drilled solids are present.

#### RECOMMENDED TREATMENT

Concentrations of 0.5 to 2.0 ppb (1.4 to 5.7 kg/m<sup>3</sup>) are normally used, depending upon desired viscosity. MUDUP will degrade within 24 to 48 hours under most conditions, and viscosity will revert back to nearly that of water. This is a useful characteristic for drilling shallow water wells. For oil well drilling, it is often desirable to add a preservative such as DRILCIDE, to avoid degradation and retain viscosity.

#### LIMITATIONS

High concentrations of calcium and magnesium may prevent hydration, especially at high pH. Treat calcium and magnesium from water and maintain pH at or below 9.0.

MUDUP is a Messina trademark