

# ULTRACEL

HIGH-PURITY CELLULOSIC POLYMER

## DESCRIPTION

ULTRACEL is a pure grade sodium carboxymethylcellulose, a long chain organic colloid used in water base mud systems to develop viscosity and/or water loss control. It is a powder which is easily dispersible into the drilling fluid system.

ULTRACEL is available in two viscosity ranges: low viscosity (LV) and high viscosity (HV). The low viscosity product, ULTRACEL-LV, far exceeds OCMA Specification DFCEP-2 as a filtrate reducing agent. ULTRACELHV exceeds OCMA Specification DFCEP-7 as a thickening agent for water base mud systems.

## APPLICATION

ULTRACEL is an effective fluid loss control agent in most water base mud systems, including systems of sea or salt water as the makeup fluid. ULTRACEL-LV performs this function without imparting additional viscosity to the system, whereas ULTRACEL-HV performs the function while imparting viscosity. ULTRACEL is relatively stable to temperatures of 300° F (148.8° C) and is not readily subject to fermentation.

## RECOMMENDED TREATMENT

For fluid loss control in sea and salt muds concentrations of between 0.5 to 2.0 ppb (1.4 to 5.7 kg/m<sup>3</sup>) of ULTRACEL-LV are recommended.

For viscosity development, a concentration of between 0.5 to 2.0 ppb (1.4 to 5.7 kg/m<sup>3</sup>) of ULTRACEL-HV is recommended.

A Messina engineer is available for consultation regarding the use of the two product grades, ULTRACEL-LV and ULTRACEL-HV best suited to meet the requirements of the operator or the drilling situation.

## PACKAGING

ULTRACEL is normally packaged in 25 kg export paper bags. Special packaging is available on request.

ULTRACEL is a Messina trademark