



# STARFIX-PLUS

PREMIUM MODIFIED NON-FERMENTING ORGANIC POLYMER

## DESCRIPTION

STARFIX-PLUS is a premium grade, modified hydrocolloid polymer which provides excellent fluid loss control and shale stability for water base drilling fluid systems. It is resistant to bacterial degradation and stable in water-base fluid systems at temperatures up to 300° F/ 149° C. The product is in the form of a fine, white to off-white powder.

## APPLICATION

STARFIX-PLUS, like Messina's original STARFIX, functions well in a variety of applications. Its primary functions are as a filtration-reducing additive and shale control agent for water-base drilling fluids, ranging in salinity from fresh to saturated. STARFIXPLUS demonstrates excellent encapsulating properties.

Other functions and properties of STARFIX-PLUS include:

- Aids flocculation and separation of drilled solids.
- Forms a protective colloidal film on drilled cuttings and on the wellbore, improving mud performance and hole stability.
- Aids development of a thin, slick wall cake.
- Provides low viscosity for faster drilling and solids removal.

## RECOMMENDED TREATMENT

Normally in range of 2 to 8 ppb (6 to 23 kg/m<sup>3</sup>), depending upon fluid type and performance desired. 3 to 4 ppb (9 to 12 kg/m<sup>3</sup>) is typical. Please consult a Messina Technical Service representative for specific recommendations.

## PACKAGING

STARFIX-PLUS is packaged in 50 lb net export bags.

STARFIX-PLUS is a Messina trademark.