STARSOL CM

PRODUCT DESCRIPTION

STARSOL CM, the salt-tolerant fluid loss controller in drilling mud, is a chemically modified (Carboxymethylated) product from tapioca starch. It can be quickly dissolved in cold water to form clear gelatin. When used in water-based drilling mud, STARSOL CM works well in fluid loss control and wall protection. It is featured by shear resistance, salinity tolerance and calcium tolerance, and will not break down easily. With its low Degree of Substitution (DS) of .23, DYNASTAR CM has better bio-degradability than CMS derived from potato starch with DS exceeding 0.4, thus is more environmentally friendly.

PRODUCT ADVANTAGES

- Is effective up to 120°C without deterioration.
- Resistant to bacteria and contains no biocide or other preservatives.
- In full conformity with modified starch specification stipulated by API 13A.

TYPICAL CHEMICAL SPECIFICATION AND PROPERTIES

Physical Appearance White to off-white free flowing powder
Moisture Content%: ≤ 12.0

Test Item	In 40g/l salt water mud	In saturated salt water mud
Fann 35 Viscosometer dial reading at 600rpm	18 max.	20 max.
Filtrate Volume	10 ml max.	10 ml max.

PRODUCT HANDLING

Review all product specification and MSDS information prior to product application. Utilize chemical handling equipment and personal protection apparel (i.e. goggles & gloves) as specified in product MSDS when handling this material. Avoid inhalation and direct contact with eyes.

STORAGE

Store STARSOL CM in a cool, well ventilated area, free of exposure to moisture.

PACKAGING

STARSOL CM is available in 50lb multi-wall sacks. All material is properly palletized and shrink wrapped.