

Description

KAR-LOSE B is a non-fermenting modified starch used as primary low viscosity fluid loss control agent in all water-base drilling fluids. It meets and surpasses OCMA DFCEP 5 and API 13A Section 11 specifications for the starch.

Typical Properties

Appearance : White powder
pH (1% solution) : 7 - 9
Bulk Density : 500 - 800 kg/m³

Features and Benefits

KAR-LOSE B imparts superior fluid loss control properties to the drilling fluids with minimum viscosity build-up.

KAR-LOSE B is effective in all types of water-base drilling, workover and completion fluids.

KAR-LOSE B improves wellbore stability through polymer encapsulation and fluid loss control.

KAR-LOSE B reduces disintegration of cuttings and thus enhances solids removal process.

KAR-LOSE B is acid soluble and thus can be used in non-damaging drill-in, workover and completion fluids.

KAR-LOSE B is non-ionic and thus has a good tolerance to monovalent and multivalent cations and is effective over a wide pH range.

KAR-LOSE B is not susceptible to bacterial attack.

Application

KAR-LOSE B can be used as fluid loss control agent in all types of the water-base drilling, workover and completion fluids.

Limitations

KAR-LOSE B becomes less effective under the combined effect of high hardness and high pH as well as in saturated salt systems dictating greater additive consumption.

KAR-LOSE B is thermally stable up to 150 °C (250 °F). The temperature stability can be increased by 20 °C using KAR-POLY TS temperature stabilizer.

KAR-LOSE B may cause excess viscosity when added to drilling fluids with high solids content.

Treatment

Normal treatment levels range from 2.0 to 6.0 lb/bbl (5.7–17.1 kg/m³).

KAR-LOSE B is added to the system uniformly and slowly through the mud hopper.

Packaging

KAR-LOSE B is supplied in 25 kg (55 lb) multi-wall paper sacks.