

Description

KAR-ANTI BALL is a special blend of environmentally acceptable ionic and nonionic surfactants. It is used to prevent bit and bottom-hole assembly balling in all water-base drilling fluid systems.

Typical Properties

Appearance : Colorless liquid
pH (1% solution) : 9.0 - 9.5
Specific Gravity : 1.01- 1.03

Features and Benefits

KAR-ANTI BALL prevents sticky drilled cuttings from “balling up” the bit and bottom hole assembly.

KAR-ANTI BALL is compatible with all types of water-base drilling fluids.

KAR-ANTI BALL reduces torque and drag and the risk of hole packoff.

KAR-ANTI BALL also acts as penetration rate enhancer in water-base drilling fluids.

KAR-ANTI BALL contributes to fluid loss control.

KAR-ANTI BALL does not have adverse effect on rheological properties of drilling fluids.

KAR-ANTI BALL works over a wide range of pH levels and poses low foaming potential.

KAR-ANTI BALL improves performance of solids control equipment.

KAR-ANTI BALL is non-toxic and non-polluting. Thus it is ideal for all onshore and offshore operations.

Application

KAR-ANTI BALL is used to prevent bit and bottom hole assembly balling when water sensitive, sticky shales are expected to drill.

Limitations

KAR-ANTI BALL may cause slight foaming especially at high temperatures. Treatment with KAR-DEFOAM S effectively eliminates this problem.

KAR-ANTI BALL performs better when the total hardness is less than 250 mg/l.

Treatment

Normal treatment levels to prevent balling range from 0.5 to 1.0% by volume. If balling does occur it is recommended that a pill containing 2 drums of KAR-ANTI BALL in 20 bbls of sea water or fresh water be pumped through the bit. In order to avoid aeration of the mud, the KAR-ANTI BALL should be added to the mud system with stirring, not through the mixing hopper.

Packaging

KAR-ANTI BALL is supplied in 55 gal (208 liters) steel drums.