

Clay Master

Liquid Clay Stabiliser and KCl replacement



DESCRIPTION

Clay Master is a specialised liquid product which provides highly effective protection against swelling and dispersive clays and shales. Clay Master is designed as a replacement for KCl without the logistics, mixing, and environmental problems associated with bagged potassium chloride. Unlike many other KCl substitutes, Clay Master has very low toxicity and contains no surfactants.

APPLICATIONS

- Clay and shale inhibition in water based drilling fluids
- Control of migration and swelling of clay minerals in workover and stimulation operations
- Protection against permeability damage in CBM wells
- Can be used as an effective replacement for KCl in all drilling applications

ADVANTAGES

- Soluble in fresh water, sea water, and salt water
- Easily mixed liquid
- Environmentally safe and non-toxic with minimal chlorides
- Concentrated additive which reduces freight costs compared to KCl
- Protects against hole instability caused by water sensitive clays and mudstones
- Prevents sticky clay build-up on bit and downhole tools
- Promotes drill solids removal

TYPICAL PROPERTIES	Physical appearance	Light coloured liquid
	Specific gravity	1.08 – 1.09
	pH (10% solution)	6.5 – 8.0

USAGE

Clay Master is typically added at 1 – 10 litres per 1000 litres water depending on the clay content of the formation being drilled and the KCl concentration being substituted. 1.5 litres Clay Master is functionally equivalent to 2% KCl.

PACKAGING

20 kg, 200 kg, and 1000kg bulker drums