

TKPP

Tetrapotassium Pyrophosphate

DISPERSION OF MUD RINGS

TKPP (Tetrapotassium Pyrophosphate) is a highly soluble, more environmentally friendly, low sodium alternative to SAPP.

TKPP is used as a replacement to SAPP due to its low sodium content where LWD is the preferred method of disposal.

TKPP's main application is for the dispersion of mud rings when water drilling and as a rapid thinner prior to cementing casing.

In water well applications normally add 1 viscosity cup full of TKPP directly down the drill pipe on each connection.

In areas with highly reactive clays increased treatments may be required. When using to thin the mud prior to cementing, mix as required into the circulating mud system.

PHYSICAL PROPERTIES:

Appearance: White granules or powder

Molecular Weight: 330.34

Bulk Density: 0.96-1.2 g/cc

CHEMICAL PROPERTIES:

Type: Potassium Phosphate

Solubility: 187g/100g H₂O @ 25°C

pH: 10.2-10.7 (1% solution @ 25°C)

Microtox: MTX @ 10 kg/m³

MIXING & HANDLING

It is advisable to use a dust mask and eye protection while mixing all powdered products.

Avoid skin contact and do not inhale dust or allow contact with eyes. Do not ingest.

WHMIS: Not controlled

TDG: Not regulated

Packaging: 50lb sack

