

SHALE INHIBITOR

GENERAL INFORMATION

POTASSIUM CHLORIDE is chemically represented by the formula KCl and is also known by the name muriate of potash.

TYPICAL PROPERTIES

Appearance	white to reddish crystals
Hygroscopic	yes
Solubility in water	25% weight
Specific Gravity	2.0

FEATURES AND BENEFITS

POTASSIUM CHLORIDE provides potassium ions to inhibit shale swelling and dispersion. POTASSIUM CHLORIDE is used to drill the troublesome "gumbo" shales. POTASSIUM CHLORIDE is the most economical source of potassium ions.

APPLICATION

Add POTASSIUM CHLORIDE to obtain the potassium ion level needed to maximize the integrity of drill cuttings and to maintain borehole stability.

RECOMMENDED TREATMENT

POTASSIUM CHLORIDE can be added through the mud hopper. Drilling conditions and system requirements will determine the concentration needed. It is suggested that the potassium ion level be monitored by approved test methods, including the specific ion electrode technique, in order to determine the hourly treatment levels to follow.

KCl expressed as K₂O
100% KCl - 63% K₂O
95% KCl - 60% K₂O
80% KCl - 50% K₂O

SHIPPING

Transportation of POTASSIUM CHLORIDE is not restricted by either international or USA regulatory agencies.

PACKAGING

POTASSIUM CHLORIDE is packaged in bulk bags and is packaged in 25 and 50 kg (55 and 110 lb) and 50 and 100 lb (22.7 and 45.4 kg) multi-wall bags.