

POTASH

INORGANIC SALT

POTASH (KCI) or potassium chloride, is also known as Muriate of Potash. POTASH is commonly used in drilling applications to provide free potassium ions for inhibiting clay/shale swelling. POTASH is also used in fracturing and cementing operations.

FEATURES AND BENEFITS:

- Provides a source of free potassium ions.

K⁺ ions are depleted from the drilling fluid as absorbed onto the clay platelet. The rate of depletion is dependent on the reactivity of the clay/shale.
10 kg/m³ KCl equates to ~5,200 mg/L K⁺.

RECOMMENDED TREATMENT:

30-50 kg/m³ (typically). More exact requirements may be determined by a shale hydration inhibition test.

PHYSICAL PROPERTIES:

Appearance:	White-brown crystals
Specific Gravity:	1.986-1.99
Solubility:	Very soluble
pH:	8-9

MIXING/HANDLING:

Mixes readily in water and can be mixed directly through a conventional jet hopper. Refer to the SDS for specific handling requirements.

MICROTOX[®] THRESHOLD: TBD

PACKAGING: 25 kg bag / 56 bags/pallet