
POTASSIUM CHLORIDE
(Potash)

DESCRIPTION Potassium Chloride (KCl) is an odourless white crystal which forms a neutral salt solution with water. Potash is available in granular form with its purity expressed as percent K₂O.

63% K₂O = 100% KCl

60% K₂O = 95% KCl

50% K₂O = 80% KCl

Solubility in water: 276 g/L (0 C) pH 5.4-8.6

APPLICATION Generally used to provide Potassium (K⁺) ions in shale inhibiting drilling muds. The K⁺ ion provides a strong bonding ion between the clay platelets thus inhibiting the swelling of shales. Use in concentrations of 30-150 kg/m³.

The K⁺ ion is absorbed into the clay and thus is depleted from the system. The rate of absorption is related to the reactivity of the shale.

10 kg/m³ KCl = approx. 5250 mg/l K⁺

HANDLING Potash mixes readily in water and can be mixed directly through the hopper. Avoid breathing dust while mixing.

WHMIS Not Controlled

TDG Not Regulated

PACKAGING 25 kg sack

NOTE: See disclaimer for supplier responsibility.