

## Product Information

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# POTASSIUM CHLORIDE (KCL)

### PRODUCT DESCRIPTION

Potassium Chloride (KCl) is used to provide free potassium ( $K^+$ ) ions in water base drilling fluids.

### FEATURES AND BENEFITS

Potassium Chloride is used to provide free potassium ions. These ions, being on-hydrated and of the right size, compete strongly for the interlayer sites of swelling clay minerals. They effectively drive out most of the naturally occurring Calcium and Sodium ions in these clays.

### APPLICATION

Potassium Chloride is primarily utilized to provide free potassium ions in water base drilling fluids.

### RECOMMENDED TREATMENT

The amount of Potassium Chloride required is normally predetermined by laboratory shale hydration inhibition tests. Normal concentrations are 30-50 kg/m<sup>3</sup>.

### TYPICAL PHYSICAL PROPERTIES

Appearance white granular powder  
Specific Gravity 1.99

### AVAILABILITY

Potassium Chloride (KCL) is packaged in 25 kg bags.