



Product Information

Potassium Sulphate

GENERAL DESCRIPTION

Potassium Sulphate (K_2SO_4) is used to provide free potassium (K^+) ions in water base drilling fluids.

FEATURES AND BENEFITS

Potassium Sulphate 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.

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

RECOMMENDED TREATMENT

The amount of Potassium Sulphate required is normally predetermined by laboratory shale hydration inhibition tests.

Normal concentrations are 30-50kg/m³.

TYPICAL PHYSICAL PROPERTIES

Appearance	Beige powder
Specific Gravity	2.66

HANDLING

Potassium Sulphate is not a controlled product using the WHMIS classification.

Refer to MSDS information for specific precautions and handling.

AVAILABILITY

Potassium Sulphate is packaged in 25kg bags and is available from HiTech Fluid Systems Ltd.