

## Potassium Hydroxide

### Product Description

Potassium Hydroxide have strong alkali and corrosive commonly known as caustic potash. Potassium hydroxide is used in place of caustic soda to control the alkalinity of potassium-base muds, or where potassium ions are preferred as a shale inhibitor over the sodium ion. Potassium hydroxide is a corrosive material and should be used with extreme caution. It should not be mixed through the mud hopper but should be dissolved in water in a chemical barrel. One sack should be added very slowly with careful agitation to the fluid. The solution can then be added to the mud system.

### Applications/Functions

- Increase pH and alkalinity in drilling fluids
- Neutralizes acid gases

### Advantages

- Provides potassium ion as a shale inhibitor
- Controls the pH and alkalinity properties of drilling fluids

### Typical Properties

- Appearance: White flakes
- Solubility in water: Completely
- Specific gravity: 1.45

### Recommended Treatment

- Typical concentrations range from 0.25 to 4.5ppb with treatments depending on type of drilling fluid
- Potassium Hydroxide should be added very slowly and notice the PPE requirement

### Package

- 25 KG SACK





