



USK-DEXTRID® MODIFIED DRILLING STARCH

PRODUCT DESCRIPTION

USK-DEXTRID® is a filtration control agent, modified and bacterially stabilized starch. **USK-DEXTRID®** designed to reduce mud filtrate in most water based drilling fluids. It is temperaturely stable at 122°C. **USK-DEXTRID®** is also used to encapsulate drill cuttings and exposed wellbore formations to reduce particle dispersion and reactive clay/shale formation swelling.

TYPICAL PHYSICAL PROPERTIES:

Appearance	Free flowing white and creamish powder
Moisture, %	Less than 8
Bulk Density, kg/m ³	600-700
Specific Gravity	1.5
Solubility	Readily soluble
Suspensability	Excellent without lumping
Viscosity (cPs) at 600rpm 4% salt water	Min 18
Filtrate volume	Max 10 ml as per API SPEC 13A
Stability	Suitably preserved with environmental friendly biocide, stable against bacteria.

APPLICATIONS:

USK-DEXTRID® lower filtration rates in most water-based drilling fluid systems. Improve borehole stability and flocculate dispersed drill cuttings in clear water. Resistant to high concentrations of mono- and bivalent cations (Na⁺, K⁺, Mg²⁺, Ca²⁺). Compatible with all drilling fluid additives. Rate of addition: 5-20 kg/m³.

Advantages:

- Helps maintain filtration control without detrimental viscosity increase
- Effective with fast drilling non-dispersed systems.
- Temperature Stable to 122°C
- Decrease clay dispersion

HANDLING:

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Transportation and Material Safety Data Sheet (MSDS). **USK-DEXTRID®** additive is not dangerous item for purposes of transport regulations.

PACKING:

USK-DEXTRID® is packaged in 25 Kgs kraft bags with polyethylene inner lining.

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