DI-TROL divalent brine system primary viscosifier additive

Generates elevated LSRV without the need for additional viscosifiers

Applications
- The DI-TROL* divalent brine system primary viscosifier additive functions as both a viscosifier and fluid loss additive in the DIPRO* high-density divalent reservoir drill-in fluid. DI-TROL additive can be used as the primary viscosifier in a divalent brine fluid loss control pill.
- When mixing temperature is less than 105 degF [40.5 degC], brine should be heated prior to adding DI-TROL additive.

Advantages
- Easily removed by chemical breaker treatments
- Serves dual function of viscosifier and filtrate reducer
- Works synergistically with DI-BALANCE* divalent brine system secondary viscosifier to enhance the low-shear-rate viscosity (LSRV)
- Can be used above 250 degF [121 degC] with thermal stabilizers

Limitations
May require special mixing procedures such as high shear or heat

Additional information
The DI-TROL additive is a specially processed, high-molecular-weight, branched-chain starch derivative that generates elevated LSRV without the need for additional viscosifiers such as xanthan gum. DI-TROL additive also controls filtrate loss in the DIPRO fluid.

When used in conjunction with a bridging agent such as calcium carbonate, DI-TROL additive provides a thin, pliable, easily removed filtercake. DI-TROL additive should be used in calcium chloride, calcium bromide, zinc bromide, and divalent field brines.

Toxicity and handling
Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions described on the safety datasheet.

Packaging and storage
DI-TROL additive is packaged in 25-lbm [11.3-kg] and 50-lbm [22.7-kg] multiwall paper sacks. Store in a dry location away from sources of heat or ignition, and minimize dust.

Typical Physical Properties	
Physical appearance	White powder
Odor	Odorless
Specific gravity	1.4–1.6

All specifications are subject to change without notice.