

FEATURES

- Reduces reactive clay swelling, preventing wellbore instability.
- Provides effective shale inhibition without the use of chloride-based salts.
- Requires less dilution rates while exhibiting a superior clay inhibition.
- Environmentally friendly and compatible with freshwater and brine-based systems.

DESCRIPTION

SWELLEX is a key component of "**AQUA FUSION**", CS OILFIELD cutting edge technology HPWBM. It is a chloride-free, premium polyamine-based additive specifically designed to suppress shale hydration in water-based drilling fluids.

Its high pH nature helps to **inhibit reactive clay swelling, ensuring wellbore stability and minimizing drilling fluid dilution.**

PHYSICAL PROPERTIES

Appearance	Pale Yellow liquid
Specific Gravity	1.0–1.2 g/cm ³ .
pH (1% v/v)	9.0 - 10.5
Miscibility	Miscible in water
Flash Point	> 94° C

APPLICATION

SWELLEX is used in high performance drilling fluids for its outstanding ability to stabilize clays when drilling through water-sensitive shales. Inhibits clay swelling and prevents wellbore instability caused by reactive shale formations.

RECOMMENDATIONS

Add SWELLEX 1-3 % v/v to the drilling fluid system, depending on the severity of shale reactivity. The concentration required for adequate shale inhibition will vary with the amount and type of active solids being drilled. Mix thoroughly to ensure uniform dispersion in the fluid system.

PACKAGING



STORAGE / HANDLING

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described on the Material Safety Data Sheet (MSDS).

SYSTEM

SWELLEX is a key component of "**AQUA FUSION**", the HPWBM System from CS OILFIELD, but can also be used in most of the water-based drilling mud systems that require shale/clay inhibition.