Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
SOL-HIB A

SOL-HIB A is a polyamine-based clay hydration inhibitor. It prevents shale swelling by intercalating and reducing the space between clay platelets, making it difficult for water molecules to penetrate. It effectively inhibits the hydration of shale or gumbo clays, minimizing the possibility of bit balling.

Typical Characteristics

Parameter	Specification
Appearance	Colorless to yellow liquid
Solubility in Water	Soluble
Density @ 20°C (g/cm^3)	1.05 – 1.18
pH, 1% solution	6.0 – 9.5
CST, 4L/m^3 (s)	≤ 25

Application

SOL-HIB A can be used in drilling and completion fluids in both offshore and onshore applications. It provides excellent shale suppression and minimizes dilution rates while being resistant to common contaminants such as cement, hard water, carbon dioxide, drill solids and crude oil. SOL-HIB A can be directly added into the mud system without affecting its viscosity and filtration properties, providing a good inhibition performance even at low concentrations.

Recommended Dosage

Recommended dosage: 0.3 – 2.0%. Actual dosage will largely depend on shale reactivity and the amount of shale in the interval to be drilled.

Packaging and Storage

SOL-HIB A is packaged in 200KG drum or 1000KG drum.
Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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