Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
SOL-HIB A

SOL-HIB A is a 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)	$\leq$ 25

Application

- Used in drilling and completion fluids in both offshore and onshore applications
- 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
- 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 200 kg drum or 1000 kg 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).

This document is supplied solely for informational purposes and Solent Chemicals makes no guarantees or warranties, either expressed or implied, with respect to the accuracy and use of this data. All product warranties and guarantees shall be governed by the Standard Terms of Sale.

Solent Chemicals Private Limited (Company Reg. No: 200914789R)
No. 12 New Industrial Road, #03 -02A Morningstar Center, Singapore 536202
Tel: (65) 6383 0138 | Fax: (65) 6383 5228 | admin@solentchem.com