

STAR HIB® PLUS

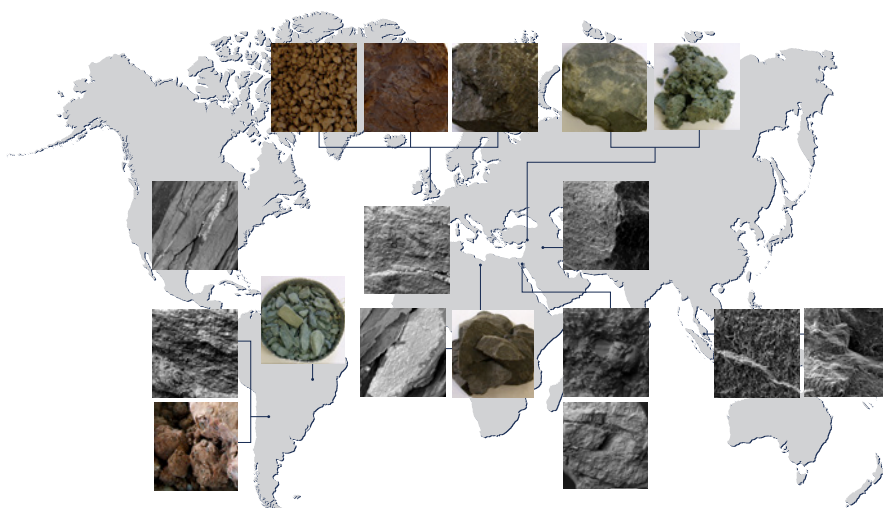
Shale Inhibitor



High-Performance Shale Inhibitor Replaces KCl and Glycols

STAR HIB PLUS is a shale inhibitor designed to provide a high degree of shale inhibition for water-based drilling fluids in formations that contain problematic swelling and reactive clays such as smectite and a mixed layer of illite/smectite. The key feature of STAR HIB PLUS is that unlike other conventional inhibitors on the market today, it does not need KCl or other salts to provide excellent levels of shale inhibition.

Impact's proprietary shale inhibitors are designed to maximize shale inhibition in highly-reactive formations, reducing or eliminating many problems caused by gumbo-like clay and promoting improved cuttings integrity. The result is lower dispersion and hydration of reactive clay and shale, reducing the potential for gumbo attacks, bit balling, hole instability and similar issues.



+ADDITIVE PERFORMANCE

We have analyzed shales for clients around the world to prevent drilling problems and complete projects efficiently.

APPLICATIONS

- ▶ STAR HIB PLUS is used in inhibitive WBM in place of KCl with a conventional glycol.
- ▶ Particularly useful where environmental restrictions limit the use of K+ cations.
- ▶ Optimum performance at 3-5% V/V in most shale types.
- ▶ Effective in a range of WBM.
- ▶ Compatible with all common WBM additives.
- ▶ Thermally stable & resistant to common contaminants.

ADVANTAGES

- ▶ STAR HIB PLUS provides excellent shale inhibition and cuttings hardness.
- ▶ Environmentally acceptable and non-toxic.
- ▶ Reservoir compliant.
- ▶ No negative effects on drilling fluid properties.
- ▶ Conventional glycols (cloud point & non-clouding) work best with K+ salts.