



Technical Datasheet

SHALE INHIBITOR PRO

Description

Shale Inhibitor Pro is a high-quality amine-based shale inhibitor which is used in water-based drilling fluids in order to provide wellbore stability while drilling through problematic high-reactive shale layers. Besides that, it can improve thermal stability of mud in high temperatures and reduce possibility of fluid loss increment and clays' hydration with minimum adverse effects on rheological properties.

Application

Main function of Shale Inhibitor Pro is providing wellbore stability in shale layers by reduction in fluid loss and pore pressure transmission in shale layers. Shale Inhibitor Pro is compatible with all water-based drilling fluids. Also, some reduction in friction coefficient of filter cakes and improvement of rate of penetration are other advantages of using SHALE INHIBITOR PRO. It can be applied in low to high temperatures (up to 300 Fahrenheit degrees).

Advantages

- Compatible with different types of water-based drilling fluids
- Provides high shale stability
- Reduces filtration properties of fluid
- Minimum adverse effect on rheological properties of fluids
- Thermal Stabilizer for polymers
- Minimize formation damage in reservoir section
- Minimize shale swelling and sloughing
- Compatible with Gilsonite or asphaltic inhibitors
- Improves penetration rates
- Helps with lubrication of the BHA
- Applicable in high temperatures (up to 300 Fahrenheit degrees).

Treatment

It is recommended to use Shale Inhibitor Pro in water-based muds with concentrations of 1 to 3% vol/vol. Periodic treatment of active drilling fluid while drilling is highly recommended.

Typical Properties

Appearance	Clear liquid
Specific Gravity (in 25°C)	1.0-1.2
pH (10% solution)	9.5-10
Water Solubility	Soluble in brine or fresh water



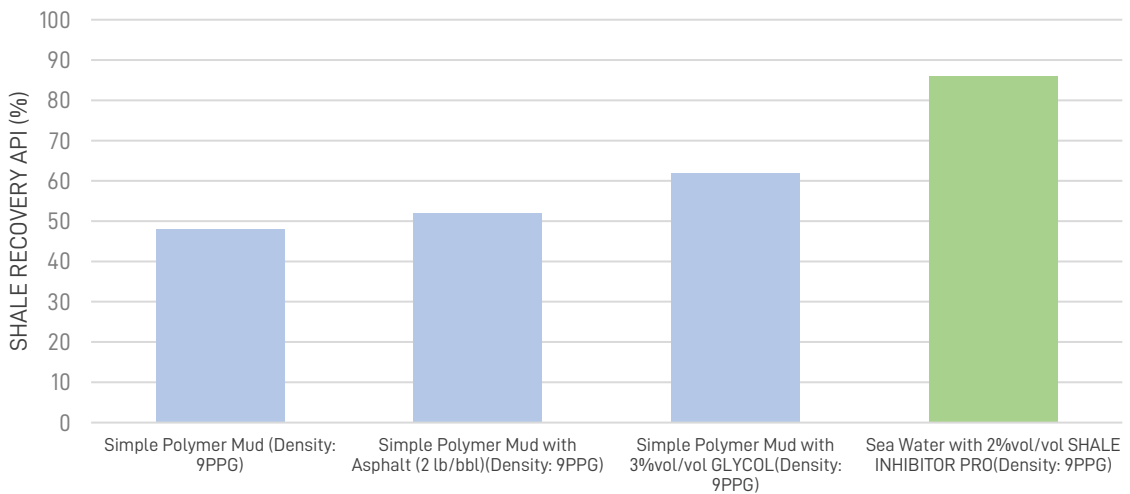
Technical Datasheet

SHALE INHIBITOR PRO

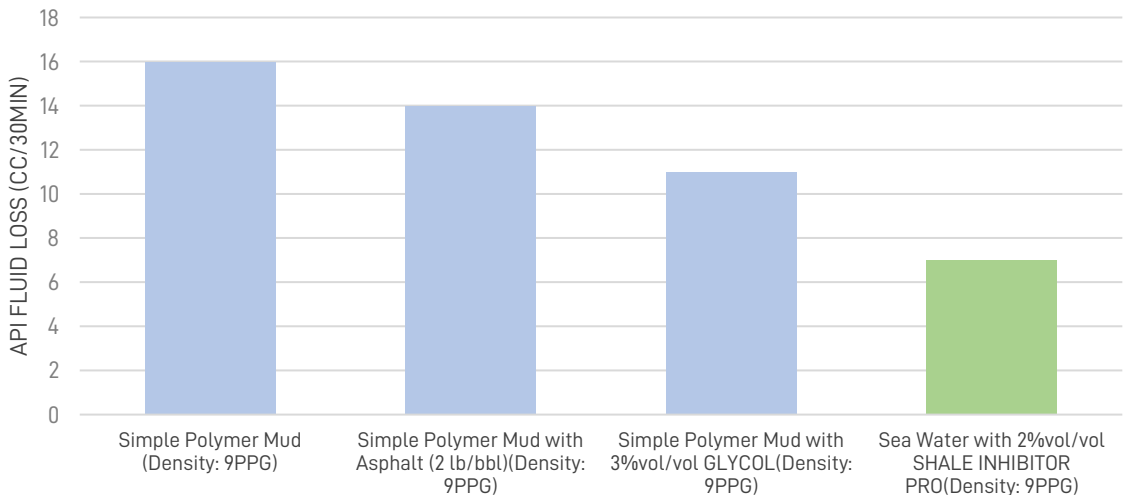
Performance Evaluation

Shale Inhibitor Pro shows excellent shale inhibition performance and filtration properties comparing common shale inhibitors in low and high temperatures.

SHALE RECOVERY COMPARISON
 As per API13 - 8 hours Hot-rolling @ 300° F



Filtration Properties COMPARISON
 As per API13 - 8 hours Hot-rolling @ 300° F





Tiam Earth Advanced Materials

Revision No.: 6.2

Revision Date: 20.04.2021

Document Code: TE-101-207

Technical Datasheet

SHALE INHIBITOR PRO



www.teamchem.co

Packaging

Shale Inhibitor Pro is available in 55-Gal Drums.



Tiam Earth Advanced Materials

Address: No. 43, Souri St., 43 Ashrafi Esfahani Expressway

Telephone: +44 (0)207 408 7700 - +98 912 3717539

Email: sales@teamchem.co

Website: www.teamchem.co

LinkedIn: [linkedin.com/company/team-chemicals/](https://www.linkedin.com/company/team-chemicals/)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. TEAM Chemicals and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

© Tiam Earth Advanced Materials- All rights reserved.