



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

INHIBI-FOAM

Biodegradable Drilling Foam Agent with Corrosion Inhibiting Properties for Foam Based Drilling

INHIBI-FOAM is a synergistic blend of a film forming corrosion inhibitor, alcohol sulphate and selected surfactants with a high calcium tolerance, making it particularly suited as a high performance drilling foam for aerated and foam drilling. **INHIBI-FOAM** is effective in fresh, brackish and hard water and in the presence of small quantities of hydrocarbon.

Product Specifications:

Property	Specification
Specific Gravity (at 20°C)	1. -1.05
Flash point (°C)	> 100 °C
pH (5% solution)	7 - 8
Charge in Solution	Anionic
Solubility in Water	Complete
Degradability	Completely Biodegradable
Appearance	Viscous pale to amber liquid

Functions:

INHIBI-FOAM has the following functions:

- Combines a drilling foaming agent with a corrosion inhibitor there is only one product to order, store and mobilize to location.
- The corrosion agent is already pre-mixed at the correct concentration, eliminating (accidental) overdosage and the additional resultant costs.
- Mixed directly in the mist pump tanks it also eliminates large volumes of unused inhibited water in the rig tanks (where conventional inhibitors are usually added) when drilling has completed.
- Generates stiff and stable foam, effectively carrying away cuttings to the surface and increasing penetration rates.
- Will suspend cuttings when circulation is stopped.
- Works in harsh conditions, including high salts and water hardness.
- Has high flash point and is non-corrosive, resulting in safer drilling conditions.
- Environmentally acceptable and readily biodegradable.
- Maintains performance at down-hole temperatures in excess of 150 °C.

Recommended Treatment:

INHIBI-FOAM will generate a stiff and stable foam. In general a dosage of 0.5 – 1.5% is usually sufficient to obtain a suitable foam consistency with good corrosion protection. If very hard water is being used, it is recommended to pre-treat the water with soda ash. To control severe water influxes, increase foam concentration and decrease injection rate. The quantity used would be dependent on the drilling fluid system, drilling depth and equipment.

Packaging:

Packaged in 25 and 208 liter HDPE drums.

Legislation and Handling Recommendations:

Not restricted by any regulatory agency. Refer to the Material Safety Data Sheet (MSDS) for the product prior to use.

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