



## DRILLING FLUID PRODUCTS

### TECHNICAL INFORMATION

#### DRILLFOAM™ Plus Superior Biodegradable Drilling Foam Surfactant for Foam Based Drilling

**DRILL-FOAM Plus** is special derivative of sodium alcohol ethoxy sulphate blended with amphoteric, solubilizers and water resulting in a high performance drilling foam for air rotary drilling and foam drilling. **DRILL-FOAM Plus** is specially formulated for use in deep holes, is effective in fresh, brackish and hard water and in the presence of hydrocarbons.

#### Product Specifications:

Property	Specification
<b>Specific Gravity</b> (at 20°C)	1.06 -1.08
<b>Flash point</b> (°C)	> 94 °C
<b>pH</b> (5% solution)	7.0 – 9.0
<b>Charge in Solution</b>	Anionic
<b>Solubility in Water</b>	Complete
<b>Degradability</b>	Completely Biodegradable
<b>Appearance</b>	Viscous pale to amber liquid

#### Functions:

**DRILL-FOAM Plus** has the following functions:

- Generates stiff and stable foam, effectively carrying away cuttings to the surface and increasing penetration rates.
- Has half life of over 6 minutes in fresh water.
- Will suspend cuttings when circulation is stopped.
- Works in harsh conditions, including high salts and water hardness, and is stable in the presence of small quantities of hydrocarbons.
- 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:

Concentrations in the range of 0.25 - 1.0 % based on fluid volume are recommended to obtain suitable foam consistency. To control severe water influx, increase foam concentration and decrease injection rate. The quantity used would be dependent on the drilling fluid system, drilling depth and equipment.

It is recommended to pre-treat very hard water with soda ash.

#### 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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