



DRILLING FLUID PRODUCTS

TECHNICAL INFORMATION

DRILLFOAM™ Biodegradable Drilling Foam Surfactant for Foam Based Drilling

DRILL-FOAM is special derivative of sodium alcohol ethoxy sulphate blended with chelating agents and water resulting in a high performance drilling foam for air rotary drilling and foam drilling. **DRILL-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) | 1.02 -1.06 |
| Flash point (°C) | > 100 °C |
| pH (5% solution) | 7.5 – 9.5 |
| Charge in Solution | Anionic |
| Solubility in Water | Complete |
| Degradability | Completely Biodegradable |
| Appearance | Viscous pale to amber liquid |

Functions:

DRILL-FOAM has the following functions:

- 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:

Concentrations in the range of 0.5 - 1.5 % 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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