BOODEFOAM – DRILLING FOAMER

BOODEFOAM is an aqueous solution of an anionic surfactant specially selected for its effectiveness in a wide range of applications & drilling conditions.

Appearance	Clear colourless liquid
Density	SG 1.03
Flash point	None
Solubility (in water)	Infinite
PH (as supplied)	7
Viscosity @ 20ºC	8 cP
Pour point	-5º C
Freeze/thaw stability	Good

Chemical description	The active component is an anionic surfactant of the alcohol ether sulphate type. The alkyl chain is branched.
Toxicological info.	Acute oral toxicity LD50 (Rat) = > 200mg / kg (OECD 401) Acute skin irritation (Rabbit) = Low (OECD 404) Acute eye irritation (Rabbit) = Low (OECD 405)
Ecological info.	Acute fish toxicity LC50=>10-100mg product / lt. (DIN 3841T15) Acute Daphnia toxicity ECº=>1-10mg product / lt. (OECD 202) Acute algae toxicity IC50=>1-10mg/lt. (OECD 201)
Biodegradability	>90% over a 28 day test period (OECD 301). The Product is considered to be READILY BIODEGRADEABLE
Miscibility	In aqueous solutions the product is dispersed very rapidly in a pH range of 3 –13. If the make up water is

	expected to be outside the range pre-treatment may be necessary.
Resistance to salinity	The product's performance is reduced by approx. 5% in highly saline conditions
Addition qty's	1.Mist Drilling: 0.25 - 0.5% in injection water. 2.Stable column foam drilling: 0.5 - 0.75% in injection water 3.Modified stable foam drilling: 0.5 - 1.0% in injection water after polymer mixed. 4.Core drilling: 0.5 - 0.7% in injection water

Calculation of injection qty's:

A "rule of thumb" 1000lts of injection fluid is required per cubic meter of ground removed.

Calculation method used to estimate qty of foamer required in borehole.