

QDEFOAM

Description

QDEFOAM is an organosilicon emulsion used as defoamer for aqueous drilling fluid systems.

Applications

QDEFOAM is used in many industries and has been used widely in drilling, completion and workover fluids. It is in liquid form and easy to mix. It works quickly and effectively reduces the foams in aqueous fluid systems. It is compatible with fresh water muds, seawater muds, brine systems and all common mud additives.

QDEFOAM is a versatile liquid that can be used to combat mild to severe foaming or premixed as an antifoaming agent in preparation of fluids where vigorous agitation is required, or with products that are known to have foaming tendencies.

Features and Benefits

- Cost-effective
- Effective at very low dosage
- Easy to mix and use
- Readily available
- Aids in the removal of dissolved oxygen.
- Controls foaming in fluids viscosified with polymers.
- Helps stabilize pump pressure by removing trapped air and gas.
- Low-toxicity product and environmentally acceptable at the recommended concentrations.

Typical Properties

Appearance	Liquid
Color	Whitish
Specific gravity	0.95 – 1.05
pH (1% solution)	6.1 - 7.2

Recommended Treatment

Recommended treatment concentrations will vary depending on the severity of foaming; normal treatment of QDEFOAM range from 0.05 to 0.10 lb/bbl (0.14 to 0.29 kg/m³). Severe foaming can require treatments as high as 0.2 lb/bbl (0.57 kg/m³). The use of QDEFOAM is recommended for foam prevention when periodically treating with organic materials such as lignosulfonate, lignite and base additives.

Defoaming is a complex reaction; therefore, pilot testing may be necessary to determine optimum treatment rates and methods.

Safety and Handling

Prior to using this product, refer to the safety data sheet for information on use of personal protective equipment, safe handling, storage, transport, and disposal.

Packaging

QDEFOAM is available in 5 gal (18.9 L) can or 55 gal (208 L) drum.

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