

DEFOAM-X

DEFOAM-X* additive is a low-toxicity blend of defoaming agents formulated to control foaming in muds containing freshwater or seawater and in viscous brine systems.

Typical Physical Properties

Physical appearance	White, viscous liquid
Specific gravity	0.95
Flash point	>400°F (202.8°C) (PMCC)
Freezing point	-20°F (-28.9°C)

Applications

DEFOAM-X additive is a wide-application product that reduces the foaming tendencies of water-base muds. It is compatible with freshwater muds, seawater muds, brine systems and all common mud additives. DEFOAM-X additive has proven to be especially effective in KCl and seawater muds. DEFOAM-X additive is easy to mix, works quickly, is effective in low concentrations and is a more persistent defoamer than alternative products.

Normal treatments of DEFOAM-X additive 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 DEFOAM-X additive is recommended for foam prevention when making periodic treatments with organic materials such as lignosulfonate, lignite and tannin-base additives.

DEFOAM-X additive should be added in a location which allows the product to be incorporated into the entire circulating mud system. Although DEFOAM-X additive is viscous, it should not be diluted. Dilution significantly reduces the effectiveness of the product.

Advantages

- Easy to mix, works quickly and is effective at low concentrations in a wide range of systems
- A persistent defoamer
- Especially effective in KCl and seawater mud systems
- 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

Limitations

- Not effective in muds that have excessive gel strengths

Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

DEFOAM-X additive is packaged in 5-gal (18.9-L) cans and 55-gal (208-L) drums.

Store in a dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.



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