

# 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/m<sup>3</sup>). Severe foaming can require treatments as high as 0.2 lb/bbl (0.57 kg/m<sup>3</sup>). 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).

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### **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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