

AMC SUPERFOAM™

FOAMING AGENTS & DETERGENTS



Description

AMC SUPERFOAM™ is a biodegradable mixture of anionic surfactants which has been formulated for use in the mineral and water well drilling industries.

Application

AMC SUPERFOAM may be used in a variety of air drilling operations, ranging from simple air drilling to stiff foam drilling where the foam is reinforced by the use of polymers such as AMC LIQUI POL™, AMC EZEE PAC R™ or AMC GUAR GUM™.

Typical Physical Properties

| | |
|-------------|---------------------------|
| Appearance: | Fluorescent yellow liquid |
| Solubility: | Soluble in water |
| pH: | 7 – 9.5 |

Recommended Treatment

Mist Drilling

AMC SUPERFOAM™ should be mixed with water at 0.25 – 0.5 % by volume and injected into the air stream. The rate of injection will depend on hole size, compressor output and water flow rate etc.

Foam Drilling

If water flow rates are high and compressor limits are reached, up to 0.5 – 2.0 % by volume of AMC SUPERFOAM™. This can also be poured neat down the rod string at each rod change, at 1 – 2L.

Stiff Foam Drilling

Stiff foam applications include areas of severe lost circulation, large diameter holes and unconsolidated formations. Stiff foam can be prepared by injecting a base slurry of 35 – 45 seconds per litre viscosity fluid prepared as follows:

Mix AMC FS 2000™, 1 – 2kg per 1000L or AMC EZEE PAC R™, 2 – 4 kg per 1000L and AMC SUPERFOAM™ 10 – 15L per 1000L.

Advantages

- Rapidly generates high volumes of highly stable foam
- Economical
- Reduces borehole erosion when drilling poorly consolidated formations
- Improves hole cleaning and increases penetration rates
- Effective dust suppressant
- Reduces air requirements
- Reduces the tendency of softer clays to stick together
- Environmentally acceptable.

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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