

# AMC AEROFOAM™

## FOAMING AGENTS & DETERGENTS



### Description

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

### Application

AMC AEROFOAM™ 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

#### Air Drilling

AMC AEROFOAM™ can be used as an effective dust suppressant, at 0.1 – 0.2% by volume in injection water.

#### Mist Drilling

AMC AEROFOAM™ 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 factors such as hole size, compressor output and water flow rate.

#### Foam Drilling

If water flow rates are high and compressor limits are reached, up to 1.0 – 2.0% by volume of AMC AEROFOAM™ can be applied.

### Advantages

- Passes the Standards Australia Test AS4351 for biodegradability
- Has quick break properties to assist in waste disposal
- Suitable for use in hard, soft and salt water environments
- Can be used underground and in confined spaces because of its low odour.

### 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 fluid of 35 – 45sec / L viscosity fluid prepared as follows:

Mix 1 – 2kg / m<sup>3</sup> (0.35 – 0.70lb / bbl) of AMC LIQUI POL™, or 2 – 4kg / m<sup>3</sup> (0.70 – 0.70lb / bbl) of AMC EZEE PAC R™. To this base fluid add 0 – 15L / m<sup>3</sup> (3.5 – 5.5lb / bbl) AMC AEROFOAM™.

When injected into the air stream, this mix should produce stiff foam of shaving cream consistency.

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

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