

# AMC HV FOAM™

## FOAMING AGENTS & DETERGENTS



### Description

AMC HV FOAM™ is a biodegradable, highly concentrated foam which has been formulated for use in mineral and water well drilling applications. AMC HV FOAM™ is formulated to produce a stable high density foam in all types of ground water conditions from brackish to hard and highly saline.

### Application

AMC HV FOAM™ may be used in a variety of air drilling applications from simple rotary air to reverse circulation drilling. AMC HV FOAM™ is designed to produce high volumes of foam exhibiting greater bubble strength with superior retention. The combination of these characteristics effectively lowers the air volumes required and significantly improves cuttings transportation.

AMC HV FOAM™ has proven to assist in regaining returns in highly cavernous states and through the improved retention values will better control water inflows. AMC HV FOAM™ can be used for dust suppression, mist and foam drilling or combined with select polymers and bentonites. When used correctly AMC HV FOAM™ can assist with hole stability, reduce the stickiness of clays and shales and problems associated with mud rings and bit balling.

### Typical Physical Properties

Appearance: Fluorescent yellow liquid  
pH (as supplied): 7.5 – 9.5

### Recommended Treatment

#### Mist Drilling

AMC HV FOAM™ 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 HV FOAM™.

This can also be poured neat down the rod string at each rod change, at 1 – 2L.

### Advantages

- Exceptional foam quality
- Improves bubble strength and retention
- Extremely stable foam at low concentrations
- Tolerates all types of make-up water
- Ideal for regaining circulation in cavernous formations
- Controls water inflow
- Reduces air requirements and allows deeper drilling
- Reduces the sticking tendency of clays and shale
- Improves hole cleaning and increases penetration rates
- Effective in suppressing dust
- Environmentally acceptable.

### 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 206™, 1 – 2kg per 1000L or AMC EZEE PAC R™, 2 – 4kg per 1000L and AMC HV FOAM™ 10 – 15L per 1000L.

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

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