

AMC HV FOAM™

Foaming Agents & Detergents

IMDEX™

Description

HV FOAM™ is a biodegradable, highly concentrated foam which has been formulated to produce a stable, high strength foam in all types of ground water conditions from brackish to hard and highly saline.

Application

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

HV FOAM™ assists in regaining returns in highly cavernous areas and better control water inflows. HV FOAM™ can be used for dust suppression, mist and foam drilling or combined with viscosifiers to form stiff foams. HV FOAM™ can assist with hole stability, reduce the stickiness of clays and shales and problems associated with mud rings and bit balling.

Recommended Treatment

Mist Drilling

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 – 1.5 % by volume of HV FOAM™.

Stiff Foam Drilling

Stiff foam can be prepared by adding 1 – 1.5% HV FOAM™ to a base fluid with a funnel viscosity of 35 – 45 seconds and then applying this mixture down hole.

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

Advantages

- Rapidly generates high volumes of highly stable foam
- Tolerates all types of make-up water
- Ideal for regaining circulation in cavernous formations
- Helps control water inflow
- Reduces air requirements and allows deeper drilling
- Effective dust suppressant
- Reduces borehole erosion when drilling poorly consolidated formations
- Improves hole cleaning
- Reduces the tendency of softer clays to stick together
- Environmentally acceptable.

Typical Physical Properties

Appearance:	Fluorescent yellow liquid
pH (as supplied):	7 – 9.5

ASIA PACIFIC

Perth, Australia (Head Office)
+61 8 9445 4000

Indonesia
+61 (0) 21 759 11244

AFRICA

South Africa
+27 (11) 908 5595

EUROPE

Norway
+47 72 87 01 01

Germany
+49 4402 9650-0

United Kingdom
+44 (0) 1273 483 700

SOUTH AMERICA

Argentina
+54 9 261 211 3676

Brazil
+55 (47) 3404 5920

Chile
+56 (2) 2589 9300

Peru / Ecuador
+51 (1) 322 8850

NORTH AMERICA

USA / Canada
+801-364-0233

Mexico
+52 (871) 169 2095