PRODUCT DATA SHEET

AMC HV FOAM SW™

FOAMING AGENTS & DETERGENTS

Description

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

Application

AMC HV FOAM SW™ may be used in a variety of air drilling applications from simple rotary air to reverse circulation drilling. AMC HV FOAM SW™ 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 SW™ has proven to assist in regaining returns in highly cavernous formations and through the improved retention values will better control water inflows. AMC HV FOAM SW™ can be used for dust suppression, mist and foam drilling or combined with select polymers and bentonites. When used correctly AMC HV FOAM SW™ 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:	Amber to brown liquid
pH (as supplied):	7.5 – 9.5

Recommended Treatment

Dust Suppression: should be mixed with water at 0.2 – 0.3% by volume and injected into the air stream

Misting: should be mixed with water at 0.1 – 0.5% by volume into injection water

Air Drilling: if water flow rates are high and compressor limits are reached, up to 1.0 – 2.0% by volume of AMC HV FOAM SW™ can be applied

Advantages

- Exceptional foam quality
- Improves bubble strength and retention
- Extremely stable foam at low concentrations
- Tolerates highly saline and hard 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.

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 the base slurry of 35 – 45 seconds per liter viscosity fluid prepared as follows:

Add AMC EZEE PAC R™ at 2 – 4 kg / m^3 to AMC HV FOAM SW™ at 10 – 15 kg / m^3

The rate of injection will depend on hole size, compressor output and water flow rate etc. When injected into the air stream, this slurry will 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.

ASIA PACIFIC

Perth, Australia (Head Office)
T +61 8 9445 4000
E amc@imdexlimited.com

Indonesia
T +62 (0) 21 759 11244

AFRICA

South Africa
T +27 (11) 908 5595

EUROPE

Germany
T +49 4402 6950-0

United Kingdom
T +44 (0) 1273 405 975

SOUTH AMERICA

Argentina
T +54 (9) 261 426 1116

Brazil
T +55 (47) 3404 5920

Chile
T +56 (2) 2589 9300

Peru
T + 51 (1) 322 8850

NORTH AMERICA

USA / Canada
T +801-364-0233

Mexico
T +52 (871) 169 2095