



# SC FOAM

## Biodegradable Foaming Agent

### ADDITIVES FOR CIVIL ENGINEERING WORKS

9.A.2/FT/UK/04
Creation date : 01.12.04
Edition n°: 01 of 01.12.04
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#### Description

SC FOAM is a high performance liquid foaming agent formulated with anionic surfactants in association with water soluble polymers.

Once dispersed in air stream SC FOAM gives highly lubricating and stable foams.

SC FOAM is a biodegradable foaming agent.

#### Applications

SC FOAM can be used in all types of air drilling techniques e.g. down the hole hammer for water well drilling, Horizontal directional drilling...  
SC FOAM is the product of choice for soil conditioning systems for Earth Pressure Balanced Shield tunnelling.

#### Benefits

Cost effective product as low concentrations are required for high foamability  
Performs in both fresh and brackish water.  
Prevents clay from sticking, plugging and clogging  
Fully compatible with our polymer product range SC VIS, SC MUD, SC GUM, BENTOCRYL 86 to enhance properties of the generated foam.  
Fully compatible with all types of foam generating plants  
Readily biodegradable.  
Friendly for the environment

#### Physical Properties

Appearance : Yellowish liquid  
Specific gravity: 1.01 – 1.02  
Bulk viscosity : 3 – 5 mPa.s at 25°C  
pH : 7 - 8  
Freezing point : -5°C

#### Guidelines for Use

##### Air Drilling

The dosage range of SC FOAM is 0.5 to 4% by volume of water i.e. 5 to 40 l/m<sup>3</sup> of water.

SC VIS and SC MUD can be used to reinforce stability and lubricating properties. The liquid forms are recommended for an easy to use system.

##### Soil conditioning for EPBS tunnelling

The dosage range of SC FOAM is 1 to 3% by volume of water i.e. 10 to 30 l/m<sup>3</sup> of water for low permeability soil. In case of very sticky material, SC FOAM N can replace efficiently SC FOAM.

SC VIS and SC MUD are recommended to reinforce stability and lubricating properties to cope with water bearing and permeable formations. The liquid forms insure an easy dosing.

Contact your SC technical representative for further information and references.

#### Packaging

25 kg and 220 kg plastic drums  
1000 kg IBC container

#### Storage

Keep in the product in the original closed packaging above 0°C and no longer than 12 months

#### Related Documents

MSDS available on demand

Application sheet for both drilling techniques i.e. air drilling and shield tunnelling.

Above mentioned information is given in good faith and by way of information at the time of printing. As the potential uses of our products are many and outside of our control, each user is responsible for asking us for information on planned application as we cannot be held liable on the basis of general information

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