



# TECHNICAL DATA SHEET

YOUR CHEMICAL SOLUTIONS PROVIDER



## DESCRIPTION

ENRO-DrillingFoam S50 is a Concentrated Blend of High Foam, Biodegradable Surfactants, for use in the Mineral and Water Well Drilling Industries.



## FORMULATION/COMPOSITION

ENRO-DrillingFoam S50 is an Environmentally-Safe (APEO and NonylPhenol-Free), Blend of Anionic & Nonionic Surfactants, Alkaline Salts, Foam Boosters, Water Softeners, Corrosion Inhibitors, Preservatives and Water.



## PROPERTIES/APPLICATIONS/USE

**Mist Drilling:** ENRO-DrillingFoam S50 should be mixed with water at 0.2 - 0.5 % by volume and injected into the air stream.

**NOTE:** The Rate of Injection will depend on Hole Size, Compressor Output and Water Flow Rate etc.

**Foam Drilling:** ENRO-DrillingFoam S50 should be mixed with water up to 0.5 - 2.0 % by volume, if water flow rates are High and Compressor Limits are reached.

**Air Drilling:** ENRO-DrillingFoam S50 can be used as an effective Dust Suppressant, at 0.05 - 0.2 % by volume injection water.

## PHYSICAL & CHEMICAL PROPERTIES

|                            |                                      |
|----------------------------|--------------------------------------|
| Physical state             | Slightly viscous liquid              |
| Appearance                 | Clear                                |
| Odour                      | Typical                              |
| Specific Gravity (Density) | 1.00 - 1.05 g/cm <sup>3</sup> @ 25°C |
| Solubility                 | Soluble in Water                     |

|                                     |             |
|-------------------------------------|-------------|
| pH - (20°C- 1% Aq.Sol)              | 7.20 - 8.20 |
| % Active                            | 45 -50%     |
| Flash Point ( Closed Cup, ASTM 93 ) | N/A         |
| Solids Content                      | 45 - 50%    |

This data does not constitute a specification - please see current "Certificate of Analysis".

## PACKAGING

ENRO- DrillingFoam S50 is available in

- 25 Kg - HDPE BLOWPACK
- 200 Kg - HDPE BLOWPACK
- 1000 Kg - IBC (FLOBIN)



## FEATURES

ENRO-DrillingFoam S50 may be used in a Variety of Air Drilling Operations, ranging from Simple Air Drilling to Stiff Foam Drilling.

ENRO-DrillingFoam S50 Generates Instant High Foam Quality of Exceptional Stability.

ENRO-DrillingFoam S50 is Economical, produces Dense, Stable Foam at Low Concentrations.

ENRO-DrillingFoam S50 Is Compatible with all types of makeup Water, including Brackish, Salty and Hard water.

ENRO-DrillingFoam S50 Reduces Erosion when Drilling Poorly Consolidated Formations.

ENRO-DrillingFoam S50 Reduces Air Requirements and allows Deeper Drilling.

ENRO-DrillingFoam S50 Reduces the tendency of softer clays to stick together.

ENRO-DrillingFoam S50 Improves Hole Cleaning and Increases Penetration Rates (facilitates the flotation of Dirt to the Surface).

ENRO-DrillingFoam S50 Effective in Extending the Life of the Drill Bits (Excellent Lubrication and Corrosion Inhibiting Properties).

ENRO-DrillingFoam S50 Effective in Suppressing Dust.

### Disclaimer / Non-warranty

This product has been subjected to limited tests and has been shown to perform well. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, EnroChem Trading DMCC, disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own application tests on a small area prior to using the product.