

# Technical Data Sheet

## Foam-Drill

### General Description:

Foam-Drill is a safe, water soluble, proprietary blend of surfactants. It is designed to produce high performance foam with excellent solid carrying capacity. Effective in fresh, brackish and hard water. This product is highly recommended for use as face support in case of EPB TBM

### Product features:

- Generates stable foam at low concentration
- Lubricates and cools the drill bit improves hole cleaning and increase ROP
- Compatible with all types of makeup water including brackish, salty and hard water
- Reduces air-volume requirement
- Effective in drill through sticky clay condition
- Reduces erosion when drilling poorly consolidated formations.
- Effective in suppressing dust.

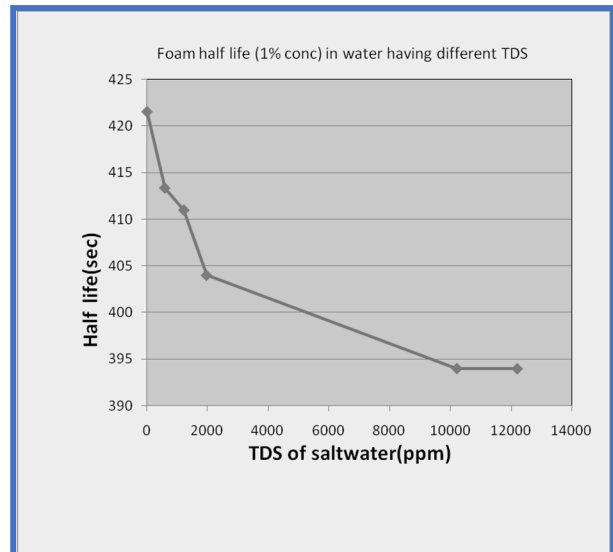
| Physical Properties |                             |
|---------------------|-----------------------------|
| Appearance          | Clear liquid to pale Yellow |
| pH (1% solution)    | 6.7 – 7.2                   |
| Specific gravity    | 1.001 – 1.005               |

### Mixing procedure:

Use concentration typically 1.0%, under normal drilling condition & fresh water.

In the event of severe water influx, foam concentrations may be increased and injection rate decreased to compensate.

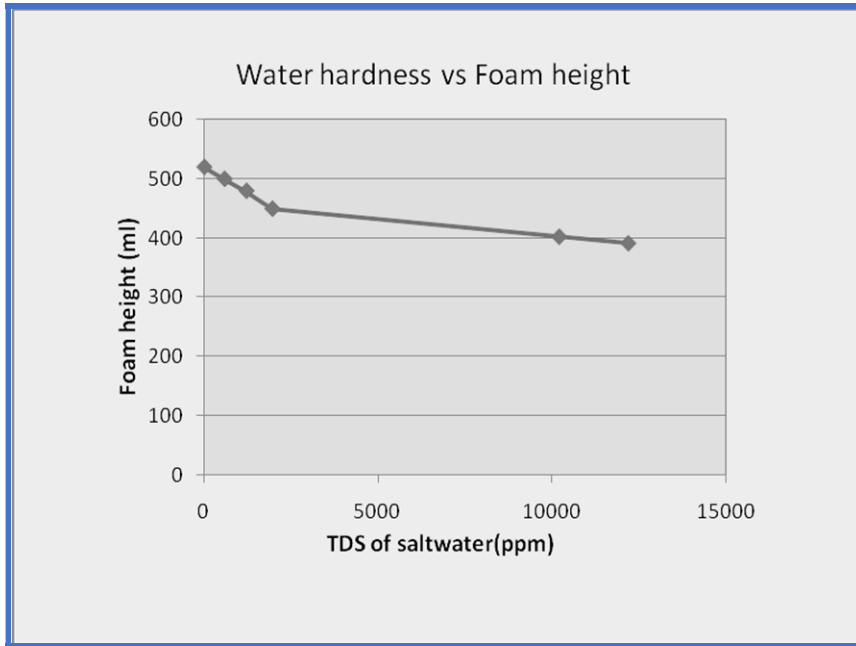
The Foam drill concentration may vary depending on the specific drilling system, depth, and equipment employed. For very hard water, pre-treatment with soda ash is recommended.



Results based on test standards as per ASTM D 3519

## Benefits:

- 1.Capability of working at brackish water as well as sea water.
2. At hard water, its efficiency only reduced 6.64%.
3. Easy to handle and non hazardous
4. Foam height reduction is also very less comparing with high TDS.



Standard packing in 210 ltr barrel



[Star Export House accreditation by Govt. of India]

ISO 9001 : 2015 Quality System

### Corporate & Marketing Office :

AMRFEO PRIVATE LIMITED

32A, Chittaranjan Avenue, Calcutta 700012, India

Ph: +91 33 4007 2855 | Mobile: +91 9831013136

Email: [amrfeo@amrfeo.com](mailto:amrfeo@amrfeo.com) or [amrfeo@gmail.com](mailto:amrfeo@gmail.com)

Web : [www.amrfeo.com](http://www.amrfeo.com)

### Bentonite Processing plant :

Survey no: 583/1 plot 2-6, Bhuj Bacaho Road

Kutch – Gujarat , India

### Polymer & Superabsorbent plant:

BIPRANNAPARA, JALAN COMPLEX

GATE NO. 1, DOMJUR, HOWRAH – 711411

Only in-house production & process:

Bentonite | Drilling Polymer & Cellulose | Drilling Foam | Bentonite Pellets| Super Absorbent Clay