# TECHNICAL DATA SHEET
# WETAG 11

WETAG 11 is a wetting agent used to oil-wet drill bits in non-aqueous drilling fluid systems. It helps improve the oil affinity performance of aggravating materials, the cutting performance of drill bits as well as the stability of the drilling fluid emulsion. Compared to conventional aromatic derivatives, WETAG 11 has better environmental performance, making it the preferred solution for the construction of synthetic-based mud systems.

**Typical Characteristics**

| Parameter | Specification |
|---|---|
| Appearance | Light yellow to brown liquid |
| Density @ 20°C (g/cm$^3$) | 0.85 – 0.95 |
| Pour point (°C) | ≤ 0 |
| Flash point, closed (°C) | > 100 |
| Emulsion breaking voltage (V) | ≥ 500 |

**Application**

- Environmentally acceptable wetting agent for both oil-based and synthetic-based mud
- Can be used at temperatures below 150°C under continuous operation to ensure underground safety
- Compatible with different additives
- Dosing application:
    - Recommended 1% - 1.5%. Actual dosage to be adjusted based on the working conditions and actual situation of the system
    - Add product slowly to the mix between pump and line to facilitate dispersion
    - Different sampling points should be selected to determine valid data

**Packaging and Storage**

WETAG 11 is packaged in 180 kg drum or 900 kg drum.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking. Avoid using rubber (natural or synthetic) as packaging materials.

**Recommended Handling**

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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