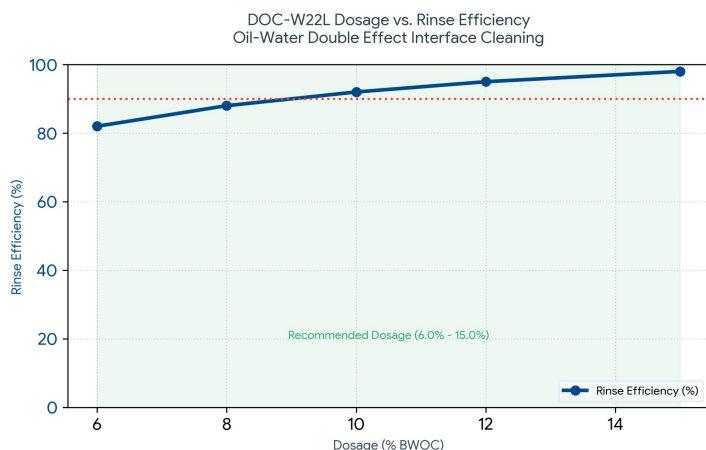


DOC-W22L Oil-Water Double Effect Flushing Fluid

Surfactant Blend for Superior Casing Surface & Well Wall Cleaning

1. Performance Highlight (Rinse Efficiency)

DOC-W22L consists of an advanced blend of surfactants designed to effectively clean mud and drilling fluid residues. The following chart illustrates its capability to achieve and exceed the 90% rinse efficiency benchmark within the recommended dosage range, ensuring optimal interfacial bonding:



2. Features & Benefits

- **High Rinse Efficiency:** Features strong permeability and soft mud stripping effects, thoroughly cleaning the mud on the shaft wall and casing surface. Reaches an impressive 90% rinse efficiency.
- **Enhances Interfacial Bonding:** Improves the hydrophilicity of the casing and formation interfaces, significantly enhancing the cementation strength of the cement paste interface.
- **Broad Temperature Range:** Operates reliably in well environments with Bottom Hole Circulating Temperatures (BHCT) ranging from 30°C to 180°C.
- **Excellent Compatibility:** Demonstrates strong compatibility with various cementing fluid systems.
- **Double Effect Cleaning:** Specifically formulated to address both oil-based and water-based residues,

making it highly versatile in the middle stage of drilling and cementing.

3. Technical Specifications & Physical Data

Property Item	Technical Specification / Index
Appearance	Light Yellow liquid
Chemical Base	Surfactant Blend
Density (20°C, g/cm ³)	1.04 ± 0.02
Rinse Efficiency (%)	90%
Applicable Temperature	30°C - 180°C (BHCT)
Recommended Field Dosage	6% - 15% (BWOC)

** Usage Note: Compatibility tests should be carried out with the cement slurry before use.*

4. Packaging & Storage

- **Packaging:** Packaged in 200 L plastic barrels. Customized packaging is available according to customer's requirements.
- **Storage Conditions:** Store in a ventilated, cool and dry environment to avoid sun and rain.

To obtain the Material Safety Data Sheet (MSDS) or to learn more about laboratory application schemes, please contact us directly: QINGDAO DIMENSIONAL COPOLYMERIZATION ENERGY CO., LTD.

Website: www.dicoenergy.com | Technical Support Email: info@dicoenergy.com