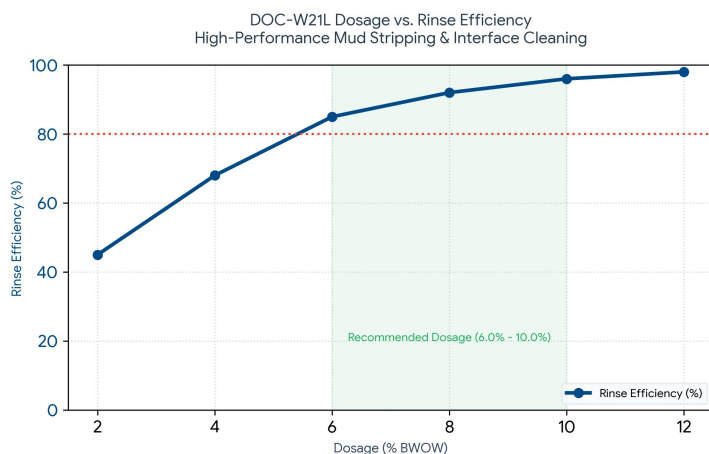


DOC-W21L Water-Based Flushing Fluid (Super Flush)

Surfactant Blend for Superior Shaft Wall & Casing
Surface Cleaning

1. Performance Highlight (Rinse Efficiency)

DOC-W21L consists of an advanced blend of surfactants designed to effectively clean mud and drilling fluid residues. The following chart illustrates its capability to rapidly exceed the 80% rinse efficiency benchmark within the recommended dosage range, ensuring optimal interfacial bonding:



2. Features & Benefits

- **High Rinse Efficiency:** Features strong permeability and excellent ooze stripping effects, thoroughly cleaning the mud on the shaft wall and casing surface.
- **Enhances Interfacial Bonding:** Improves the hydrophilicity of the casing and formation interfaces, significantly enhancing the cementation quality 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.
- **Winterized Formulation:** Features a low freezing point (-15°C) to accommodate operations in colder climates.

3. Technical Specifications & Physical Data

Property Item	Technical Specification / Index
Appearance	Colorless or yellowish liquid
Chemical Base	Surfactants and water
Density (20°C, g/cm ³)	0.95 - 1.05
Rinse Efficiency (%)	> 80%
Freezing Point (Winter, °C)	-15°C
Applicable Temperature	30°C - 180°C (BHCT)
Recommended Field Dosage	6% - 10% (BWOW)

** Usage Note: Compatibility tests should be carried out with the cement slurry and drilling fluid prior to field application.*

4. Packaging & Storage

- **Packaging:** Packaged in 25 kg plastic buckets or 200 L barrels. Customized packaging is available upon request.
- **Storage Conditions:** Should be stored in cool, dry and ventilated areas. Avoid exposure to sun and rain. The shelf life is 12 months.

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