

SOL DD3 is a mixture of green surfactants and natural extracts, which is eco-friendly and easy to biodegrade. It has excellent permeability, emulsification and ability to remove insoluble substances such as crude gum and asphaltene.

### Typical Characteristics

Parameter	Specification
Appearance	Clear light yellowish liquid
Specific Gravity @ 20°C (g/cm <sup>3</sup> )	0.88 – 0.95
pH, 10% aqueous solution	4.0 – 8.0
Flash Point (°C)	> 62
Cleaning Ability (%)	≥ 90

### Application

SOL DD3 used as a 'spacer' in fresh or seawater solutions. It is also designed to emulsify oil-based and synthetic-based mud ingredients into the water phase and prevent oil-wet solids from redepositing onto the pipe surface. SOL DD3 is used for wellbore cleaning, removing crude oil and dirt from casing and removing dead oil and asphaltenes from bottom hole. It can also be used to remove drilling fluids, crude oil residues and oil films from casing, pipeline and surface equipment. SOL DD3 is suitable for dissolving insoluble substances such as crude gum, asphaltenes, etc., and cleaning of oil stains deposited on the surface.

### Packaging and Storage

SOL DD3 is packaged in 180kg Drum or 900kg IBC (Tote tank). 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.

### 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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