Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
SOL CA12

SOL CA12 is a blend of high-performance non-ionic surfactants with high-temperature and acidity resistance. It improves the flowback ability of working fluids such as in oil perforation, fracturing, acidification and workover, increasing the flowback rate to avoid potential water blockage. It also greatly reduces the surface tension and interfacial tension of fracturing fluids even at very low dosages.

Typical Characteristics

Parameter	Specification
Appearance	Colourless to light yellow liquid
Freezing point (°C)	≤ -10
pH, 1% solution	6.0 – 8.0
Surface tension, 1% solution (mN/m)	≤ 23

Application

- Used in the exploration of tight oil/gas and shale oil/gas to reduce surface tension and capillary forces at formation pore throats
- Good compatibility with friction reducer. Reduces surface tension, changes contact angle, optimizes formation wettability while modifying the gas-liquid displacement of the fracturing fluid in the shale formation. This allows the uniform and continuous discharge of working fluids, improving core permeability
- No wetting and adsorption effect on oil-bearing zone, reducing the oil-water interface tension
- Reduces fluid lock effect, reservoir damage and retention of extraneous fluids in the oil-bearing zone

Packaging and Storage

SOL CA12 is packaged in 200 kg drum or 1000 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.

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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