Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
SOL FS22

SOL FS22 is a stabilizer used in preventing the precipitation of Fe^{3+} during oil and gas well acidification. Its ferric ion stabilizing effect is achieved through three aspects: complexation, reduction and dispersion.

Typical Characteristics

Parameter	Specification
Appearance	Colourless to light yellow liquid
Density @ 20°C (g/cm^3)	1.10 – 1.20
pH, 1% solution	2.0 – 7.0
Fe^{3+} stability (mg/ml)	≥ 100

Application

- Mainly used in oil well acidification process
- Forms stable ferric complex ions through complexation, greatly improving the solubility of Fe^{3+} ions, facilitating its transport back to the surface with the flowback acid
- Prevents the precipitation of Fe into $Fe(OH)_3$, minimizing blockage caused by the interaction between working liquid and formation water
- Excellent for pickling, conventional acidification and fracturing acidification

Packaging and Storage

SOL FS22 is packaged in 220 kg drum or 1100 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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