Solent Chemicals
Solutions for a better tomorrow

TECHNICAL DATA SHEET
SOL IB21

SOL IB21 is a corrosion inhibitor tailored for highly acidic environments. It forms a protective film between acidic corrosive agents and metals through the oriented adsorption of the inhibitor molecules on metal surfaces. This barrier helps suppress electrode reactions between acids and metals, thus preventing metal corrosion and maintaining the integrity of well equipment.

Typical Characteristics

Parameter	Specification
Appearance	Reddish brown liquid
Density @ 20°C (g/cm^3)	0.95 – 1.05
Dispersion @ 30°C, 24 h	Dissolves and disperses in acid solution No layering or precipitation observed
Corrosion rate @ 120°C, 4 h (g/m^{2}h)	< 20

Application

- Suitable for reducing hydrochloric acid corrosion to oil casings and construction equipment during reservoir acidification
- Good acid dissolving performance and high corrosion inhibition rate, effectively protects excessive iron ions from entering the formation and affecting acidification transformation
- Can be applied at temperatures up to 140°C

Packaging and Storage

SOL IB21 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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