

TECHNICAL DATA SHEET

PIBSOL 23

PIBSOL 23 is a clay stabilizer designed to protect oil and gas reservoirs from formation damage caused by hydration, swelling and dispersion of water-sensitive minerals. It adsorbs onto clay surfaces to stabilize the formation, ensuring improved wellbore integrity and sustained productivity. With a broad application range and long-lasting effectiveness, PIBSOL 23 offers excellent acid, salt, alkali and oil-water resistance. Its simple-use, low dosage and strong performance make it a reliable choice for diverse drilling and fracturing operations.

Typical Characteristics

Parameter	Specification
Appearance	Yellow liquid
Density @ 20°C (g/cm ³)	1.05 – 1.15
pH, 1% aqueous solution	6.0 – 9.5
Flash point, closed (°C)	≥ 100
CST, 4L/m ³ (s)	≤ 25
Solubility	Soluble in water Insoluble in oil

Application

- Inhibits hydration, swelling and dispersion of clay minerals in shale formations to prevent wellbore instability
- Prevents clay expansion in water injection wells and during pre-treatment of oil wells converted to water injection service
- Suitable for use in acidizing, fracturing, drilling, completion and water injection fluids

Packaging and Storage

PIBSOL 23 is packaged in 210 kg drum or 1050 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. Avoid using rubber (natural or synthetic) as packaging materials.

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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