

TECHNICAL DATA SHEET

97% Potassium Formate Powder

Potassium Formate Powder is a non-toxic, non-corrosive and easily soluble organic salt. It is used to form clear-brine workover and completion fluids with densities ranging from 1004 to 1573 kg/m³ (8.4 to 13.1 lb/gal) that is stable in HTHP operations.

Typical Characteristics

Parameter	Specification
Appearance	White powder
Assay (%)	≥ 97
Relative density @ 25°C (g/cm ³)	1.91

Application

- Mainly used for the preparation of water-filled oilwell filling fluid
- Environmentally friendly (chloride-free) with strong inhibition, high temperature stability and compatibility, low corrosion and good oil-bearing layer protection properties
- Advantages of formate brines include:
 - Extend polymer stability, stabilize shales, reduce damage to rock formation and enhance borehole stability
 - Improve drilling speeds and extend drill bit life by maintaining low viscosity
 - Improve well productivity with excellent compatibility at reservoir conditions with reservoir fluids

Packaging and Storage

Packaged in 25 kg bag.

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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