



# Potassium Formate 97%

## DRY SALTS

### Overview

A dry, organic, 97% purity salt, Potassium Formate is used as weight material to increase density up to 13.1 lb/gal in formate based completion fluids.

The use of Potassium Formate systems can eliminate the formation of precipitants, which are often caused by the use of calcium-based fluids in wells with high carbonate, bicarbonate or sulphate concentrations.

### Features and Benefits

- High compatibility with reservoir fluids and minerals
- Maximizes reservoir protection and improves well productivity
- May be used in all phases of drilling and completion, eliminating fluid change costs
- Excellent shale stabilization of water-sensitive formations
- Non-toxic, biodegradable and environmentally friendly

### Application Information

Potassium Formate dry salt weighting material can be added to fresh water or existing brine through the rig hopper while agitating until the crystals are completely dissolved.

Note: Sulfate is recommended by IUPAC (International Union of Pure and Applied Chemistry).

### Physical Properties

Appearance	White free flowing cubic crystals
pH	8.5 @ 73% w/w Aqueous Solution
Specific gravity	1.91
Water Solubility	76.8% (wt) @ 18°C

### Packaging Information

25 kg and 1,000 kg bags

### Recommended Treatment

The recommended treatment concentration is as necessary for density adjustment. See blending tables or consult a TETRA representative for specific recommendations.

### Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.

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