Potassium Formate 75% Solution

Chemical Formula: $CHKO_2$
CAS Number: 590-29-4

DESCRIPTION

Potassium Formate 75% is a high-purity, clear, colourless aqueous solution widely used as a high-density brine in oil & gas drilling and completion fluids, as well as an environmentally preferred de-icing agent. It offers excellent water solubility, low chloride content, and reliable performance across demanding industrial applications.

KEY FEATURES

- High Purity 75% Solution
- Excellent Water Solubility
- High Density Brine
- Low Chloride Content
- Environmentally Preferred Alternative to Chloride Salts
- Suitable for Oil & Gas and De-Icing Applications

APPLICATIONS

- Oil & Gas Drilling Fluids
- Completion & Workover Fluids
- De-Icing and Anti-Icing Fluids
- Heat Transfer Fluids
- Industrial Chemical Processing
- High-Density Brine Applications

TYPICAL SPECIFICATIONS

Property	Specification
Appearance	Clear, Colourless Liquid
Potassium Formate Content	≥ 75.0%
Heavy Metals (as Pb)	≤ 10 ppm
Lead (Pb)	≤ 2 ppm
Arsenic (As)	≤ 2 ppm
Mercury (Hg)	≤ 1 ppm
Potassium Hydroxide (KOH)	≤ 0.5%
Potassium Carbonate (K_2CO_3)	≤ 0.5%
Chlorides (Cl)	≤ 200 ppm
Sulphates (SO_4)	≤ 100 ppm
Density (20°C)	≥ 1.57 g/mL
Turbidity (NTU)	≤ 10

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Suite 2.08
32 Delhi Road
Macquarie Park
NSW 2113
Australia

chemport.com.au

PACKAGING
Available in 1,570 kg IBCs or bulk supply.

STORAGE & HANDLING
Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly sealed when not in use. Protect from contamination and excessive moisture.

SHELF LIFE
24 months when stored in the original unopened packaging under recommended storage conditions.

SAFETY
Refer to the Safety Data Sheet (SDS) for detailed safety, handling, and regulatory information. Use appropriate personal protective equipment when handling.