

Potassium Formate

Chemical properties

Chemical formula	HCOOK
Chemical structure	
Molecular weight (g/mol)	84.12

Physical properties 13.10 ppg brine

Appearance	Clear liquid
Colour	Colourless
Viscosity (CP)	
at 80°F	12.7
at 100°F	8.9
at 160°F	4.3
pH (buffered)	10.0 – 11.0
Dissociation constant (pKa)	3.75
Vapour pressure (psi)	
at 68°F	0.08
at 85°F	0.16
at 105°F	0.29
Boiling point (°F)	280
Coefficient of thermal conductivity (BTU/h/ft/°F)	
at 50°F	0.720
at 150°F	0.803
Heat capacity (BTU/lb/°F) at 50 – 160°F	0.498
Coefficient of friction at 200°F	
metal-to-metal	0.196
metal-to-sandstone	0.172
Turbidity (NTUs)	< 5