

POTASSIUM FORMATE

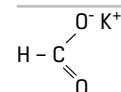


CHEMICAL PROPERTIES

Chemical formula

HCOOK

Chemical structure



Molecular weight (g/mol)

84.12

PHYSICAL PROPERTIES 13.10 LB/GAL BRINE

Appearance

Clear liquid

Colour

Colourless

Viscosity (CP)

at 30°F

45

at 100°F

10

at 160°F

5.1

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