

## CESIUM FORMATE

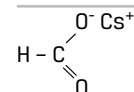


### CHEMICAL PROPERTIES

Chemical formula

HC00Cs

Chemical structure



Molecular weight (g/mol)

177.92

### PHYSICAL PROPERTIES 18.36 LB/GAL BRINE

Appearance

Clear liquid

Colour

Colourless

Viscosity (CP)

at 30°F

12

at 100°F

4.2

at 160°F

2.6

pH (buffered)

10.0 - 11.0

Dissociation constant (pKa)

3.75

Vapour pressure (psi)

at 60°F

0.07

at 80°F

0.14

at 100°F

0.26

Boiling point (°F)

267

Coefficient of thermal conductivity (BTU/h/ft/°F)

at 50°F

0.586

at 150°F

0.637

Heat capacity (BTU/lb/°F) at 50 - 160°F

0.331

Coefficient of friction at 200°F

metal-to-metal

0.166

metal-to-sandstone

0.151

Turbidity (NTUs)

< 5

Typical ion content (ppm)

monovalent ions (Rb, K, Na, Li)

25,000

divalent ions (Ba, Ca, Mg, Sr)

< 100

chlorides (Cl)

< 1,000

sulphates (SO<sub>4</sub>)

< 150