Acetic acid, sodium salt

Other names: anhydrous sodium acetate

sodium acetate

sodium ethanoate

InChI=1S/C2H4O2.Na/c1-2(3)4;/h1H3,(H,3,4);/q;+1/p-1 Inchi:

VMHLLURERBWHNL-UHFFFAOYSA-M InchiKey:

Formula: C2H3NaO2 SMILES: CC(=O)O[Na]

82.03 Mol. weight [g/mol]: CAS: 127-09-3

Physical Properties

Property code	Value	Unit	Source
hfus	17.40	kJ/mol	Enthalpies of formation and lattice enthalpies of alkaline metal acetates
SS	138.10	J/mol×K	NIST Webbook
SS	123.09	J/mol×K	NIST Webbook
tf	601.30 ± 0.20	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	100.83	J/mol×K	298.15	NIST Webbook
cps	111.70	J/mol×K	340.00	NIST Webbook
cps	88.07	J/mol×K	291.18	NIST Webbook

Sources

Bubble points of the systems isopropanol-water, sopropanol-water, sopropanol-water systems https://www.doi.org/10.1016/j.jct.2009.06.010 popple increase systems in https://www.doi.org/10.1016/j.jct.2009.06.010 popple increase systems in https://www.doi.org/10.1021/je5008857 population of https://www.doi.org/10.1021/je7001495 population of https://www.doi.or

https://www.doi.org/10.1016/j.fluid.2006.03.021

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The structure of ethanoates in tetrahydrofuran of ethanoates in tetrahydrofuran, dimethyl sulfoxide and their binaries:

https://www.doi.org/10.1016/j.fluid.2010.03.044

https://www.doi.org/10.1021/je300701m

https://www.doi.org/10.1021/je0255123

https://www.doi.org/10.1021/je100190e

https://www.doi.org/10.1021/je200964m

https://www.doi.org/10.1021/je400625f

http://webbook.nist.gov/cgi/cbook.cgi?ID=C127093&Units=SI

Aqueous Biphasic Systems Composed https://www.doi.org/10.1021/je501044u

https://www.doi.org/10.1016/j.fluid.2011.05.017

https://www.doi.org/10.1016/j.tca.2004.11.004

https://www.doi.org/10.1021/je500768w

https://www.doi.org/10.1016/j.fluid.2015.11.018

https://www.doi.org/10.1021/acs.jced.8b00188

https://www.doi.org/10.1016/j.tca.2008.12.029

https://www.doi.org/10.1021/je500419b

https://www.doi.org/10.1016/j.tca.2016.03.030

https://www.doi.org/10.1021/acs.jced.8b00590

https://www.doi.org/10.1016/j.jct.2011.03.002

https://www.doi.org/10.1016/j.jct.2006.12.006

https://www.doi.org/10.1021/je100476h

https://www.doi.org/10.1007/s10765-011-1111-y

Legend

Solid phase heat capacity cps:

Enthalpy of fusion at standard conditions hfus:

Solid phase molar entropy at standard conditions SS:

tf: Normal melting (fusion) point

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