Acetic acid, sodium salt

Other names: anhydrous sodium acetate

sodium acetate

sodium ethanoate

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

InchiKey: VMHLLURERBWHNL-UHFFFAOYSA-M

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

Mol. weight [g/mol]: 82.03 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, Asipytikal Mater so the motive tate and Goefforients for the systems of the special points for the systems of the systems of the systems of Solubilities in the Ternary System NaCH3COO + NaCI + H2O from 278 K to 323 K:

https://www.doi.org/10.1016/j.fluid.2006.03.021 https://www.doi.org/10.1021/je300701m https://www.doi.org/10.1021/je500419b https://www.doi.org/10.1021/je7001495

Molar Volumes and Heat Capacities of Aqueous Solutions of Short-Chain Airpiidtidigiidianiusyvetelootus + https://www.doi.org/10.1021/acs.jced.5b00200
Agantonium/Potassium/Sodium Acetate
Solutions at solutions at solutions at solutions at liquid liquid contilisment of the solutions at solutions a https://www.doi.org/10.1016/j.fluid.2015.11.018
liquid-liquid equilibrium: Measuring Influence on MiBK/water liquid-liquid equilibrium: Measuring Influence on MiBK/water liquid equilibrium: Measuring Influence on Mittps://www.doi.org/10.1016/j.fluid.2015.11.018

https://www.doi.org/10.1021/je5008857

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

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

https://www.doi.org/10.1016/j.fluid.2016.05.001

https://www.doi.org/10.1016/j.fluid.2016.05.001

https://www.doi.org/10.1016/j.fluid.2016.05.001

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

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

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

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

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

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

https://www.doi.org/10.1016/j.tca.2016.03.030 Weaker Antiques with tions:

White the common of the commo Dhonyoponhetprass, ur es doven sectemated, agueous Biphasic Systems Composed https://www.doi.org/10.1021/je501044u of lonic Liquids and Acetate-Based States rough on long the liquid and Acetate-Based States rough on long the liquid and acetates in Legicous results of the long resu

Conductivity is a contrivance to explore ion-pair and triple-ion structure of ethanoates in tetrahydrofuran, dimethyl sulfoxide and their binaries:

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

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

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

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

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

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

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

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

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

https://www.doi.org/10.1016/j.fluid.2012.02.013

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

Latest version available from:

https://www.chemeo.com/cid/69-701-7/Acetic-acid-sodium-salt.pdf

Generated by Cheméo on 2024-04-19 19:25:39.433361216 +0000 UTC m=+15843988.353938533.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.