

Acetic acid, sodium salt, hydrate (1:1:3)

Other names:	acetic acid, sodium salt, trihydrate sodium acetate trihydrate
Inchi:	InChI=1S/C2H4O2.Na.3H2O/c1-2(3)4;;;;/h1H3,(H,3,4);;3*1H2/q;+1;;;/p-1
InchiKey:	AYRVGWHSXIMRAB-UHFFFAOYSA-M
Formula:	C2H3NaO2.H6O3
SMILES:	CC(=O)[O-].O.O.O.[Na+]
Mol. weight [g/mol]:	136.08
CAS:	6131-90-4

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	229.00	J/molxK	298.15	NIST Webbook
cps	322.00	J/molxK	325.00	NIST Webbook
hfust	20.25	kJ/mol	331.70	NIST Webbook
sfust	61.00	J/molxK	331.70	NIST Webbook

Sources

Effect of sodium acetate on the volumetric behaviour of some mono-equivalent salts in System NaCl-NaAc-H₂O at 303.15 K, 323.15 K, and 331.70 K: <https://doi.org/10.1016/j.jct.2009.07.015>

<https://www.doi.org/10.1016/j.jct.2009.07.015>

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

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<http://webbook.nist.gov/cgi/cbook.cgi?ID=C6131904&Units=SI>

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Legend

cps:	Solid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
sfust:	Entropy of fusion at a given temperature

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