sodium iodide

Inchi:	InChI=1S/HI.Na/h1H;/q;+1/p-1
InchiKey:	FVAUCKIRQBBSSJ-UHFFFAOYSA-M
Formula:	INa
SMILES:	[Na]l
Mol. weight [g/mol]:	149.89
CAS:	7681-82-5

Physical Properties

Property code	Value	Unit	Source
ea	0.87 ± 0.10	eV	NIST Webbook
ie	7.62 ± 0.02	eV	NIST Webbook
ie	7.60	eV	NIST Webbook
ie	8.20 ± 0.10	eV	NIST Webbook
ie	7.80 ± 0.40	eV	NIST Webbook
ie	7.60 ± 0.10	eV	NIST Webbook
ie	7.64 ± 0.02	eV	NIST Webbook
ie	7.64	eV	NIST Webbook
ie	8.00 ± 0.30	eV	NIST Webbook
ie	8.70 ± 0.30	eV	NIST Webbook
ie	8.00	eV	NIST Webbook
ie	7.60 ± 0.10	eV	NIST Webbook

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.61525e+01
Coeff. B	-1.69516e+04
Coeff. C	-1.07310e+02
Temperature range (K), min.	1040.15
Temperature range (K), max.	1577.00

Sources

Solubility, Density and Solution Thermodynamics of Nal in Different Pure Solventist hoosfiliaion (searces: sodium iodide in (methanol + benzene) Sodium lodide in (methanoi + benzene) Desceity by etaboolio algalich algalich algalich sodiusionenten experiment andmolecular Sondiustometric study of some alkali metal halides in (dimethyl sulfoxide + Sonduntance Studiessof NaCl, KCl, NaBr, Nal, NaBPh4, and Bu4NI in Water Reserve Collicions for Refractive Index Reserved Collicions for Refractive Index Reserved Collicions for Refractive Index Properties for the Nal + Maltose + Water Bystoopkat 298.15 K:

Excess volumes and excess heat Solutions by Experiment and Molecular mixtures with acetonitrile, RAWJillites of and and and a segurate in the second and a segurate and a segurate in the second action of Surface Properties for **Electrolyte Solutions: Measurement** and Prediction of Surface Tension for Aqueous Concentrated Electrolyte Solutions:



https://www.doi.org/10.1021/je300754n https://www.doi.org/10.1016/j.jct.2006.06.002 https://www.doi.org/10.1016/j.fluid.2015.08.005 https://www.doi.org/10.1016/j.jct.2009.03.005 https://www.doi.org/10.1021/je9006184 NaBr, Nal, NaBPh4, and Bu4NI in Water Territice verification of Aqueous Alkali Halide Salt Werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and any fill the salt werking by the portfolia and the salt werking by the portfolia and any fill the salt werking by the portfolia and the sal https://www.doi.org/10.1021/acs.jced.7b00904 https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure https://www.doi.org/10.1021/je700366w http://webbook.nist.gov/cgi/cbook.cgi?ID=C7681825&Units=SI https://www.doi.org/10.1016/j.fluid.2015.05.016 capacities of {1,2- alkanediol + Pensitron Mathematical Addition and the second state of the second state https://www.doi.org/10.1016/j.jct.2014.02.021 https://www.doi.org/10.1016/j.jct.2011.03.002 https://www.doi.org/10.1021/acs.jced.7b00503

ea:	Electron affinity
ie:	Ionization energy
pvap:	Vapor pressure

Latest version available from:

https://www.chemeo.com/cid/57-093-6/sodium-iodide.pdf

Generated by Cheméo on 2024-05-15 21:38:37.549755582 +0000 UTC m=+18098366.470332893. Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.