

silver(I) nitrate

Other names:	Lunar caustic
	Nitrate d'argent
	Nitric acid silver salt
	Nitric acid silver(1+) salt
	Nitric acid silver(I) salt
	Silberniträt
	Silver mononitrate
	Silver saltpeter
	Silver(1+) nitrate
	Silver(I) nitrate (1:1)
	UN 1493
	silver(I) nitrate
Inchi:	InChI=1S/Ag.NO3/c;2-1(3)4/q+1;-1
InchiKey:	SQGYOTSLMSWVJD-UHFFFAOYSA-N
Formula:	AgNO3
SMILES:	O=[N+](O-)[O-].[Ag+]
Mol. weight [g/mol]:	169.87

Physical Properties

Property code	Value	Unit	Source
af	0.0821		Cheméo Relay (1.0)
gf	143.04	kJ/mol	Cheméo Relay (1.0, beta)
hf	90.10	kJ/mol	Cheméo Relay (1.0)
hvap	34.25	kJ/mol	Cheméo Relay (1.0)
ie	9.47	eV	Cheméo Relay (1.0)
log10ws	0.12		Cheméo Relay (1.0)
pc	4266.28	kPa	Cheméo Relay (1.0, beta)
tb	421.81	K	Cheméo Relay (1.0)
tc	545.66	K	Cheméo Relay (1.0)
tf	520.35	K	Cheméo Relay (1.0)
vc	0.106	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7761888&Units=SI>

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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