

# Ammonium Chloride

<b>Other names:</b>	(NH <sub>4</sub> )Cl Ammonium chloride ((NH <sub>4</sub> )Cl) Amchlor Ammoneric Ammoniumchlorid Ammonium muriate Chlorid amonny Darammon SAL AMMONIA SAL AMMONIAC Salammonite Salmiac Ammonium chloride fume Ammonium uriate Katapone VV-328 Quaternary ammonium chloride
<b>Inchi:</b>	InChI=1S/ClH.H3N/h1H;1H3
<b>InchiKey:</b>	NLXLAEXVIDQMFP-UHFFFAOYSA-N
<b>Formula:</b>	ClH <sub>4</sub> N
<b>SMILES:</b>	[Cl-].[NH <sub>4</sub> <sup>+</sup> ]
<b>Mol. weight [g/mol]:</b>	53.49
<b>CAS:</b>	12125-02-9

## Physical Properties

Property code	Value	Unit	Source
ea	0.54 ± 0.05	eV	NIST Webbook
hsub	177.00	kJ/mol	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	168.60	kJ/mol	550.00	NIST Webbook
hsubt	176.60 ± 0.40	kJ/mol	335.50	NIST Webbook

# Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000448&Units=SI>

# Legend

**ea:** Electron affinity  
**hsub:** Enthalpy of sublimation at standard conditions  
**hsubt:** Enthalpy of sublimation at a given temperature

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