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STANDARD THERMODYNAMIC PROPERTIES OF CHEMICAL SUBSTANCES

Substance	F H ° KJ/mol	F G ° KJ/mol	S ° J/mol	K C P J/mol	K F H ° KJ/mol	F G ° KJ/mol	S ° J/mol	K C P J/mol
Na Sodium Tetrafluoroaluminate	-1869.0	-1827.5	345.7	105.9	AIH Aluminum Hydride	259.2	231.2	187.9
AIH3 Aluminum Hydride	-46.0	30.0	40.2	AIH4K Potassium Aluminum Hydride	-183.7	AIH4Li Lithium Aluminum Hydride	-116.3	-44.7
78.7	83.2	AIH4Na Sodium Aluminum Hydride	-15.5	All Aluminum Monoiodide	65.5	36.0		

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Substances Not Containing Carbon: Ac Actinium 0.0 56.5 27.2 406.0 366.0 188.1 20.8 Ag Silver 0.0 42.6 ... Jun 1th, 2024

Thermodynamic Stability: Free Energy And Chemical Equilib- ... 1. Examples of Free Energy Calculations Free Energy Calculations Are Carried Out In Much The Same As Enthalpy Calculations. There Are Tables Of Standard Free Energies Of Formation Of Compounds. Elements In Their Standard States Are Assigned Zero As Their Gibbs Free Energy Of Formation. Consider The Following Chemical Reaction: $H_2(g) + Cl_2(g) \rightarrow 2HCl(g)$. Apr 1th, 2024.

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