

# Sodium sulfate

Other names:	sodium sulphate
Inchi:	InChI=1S/2Na.H2O4S/c;;1-5(2,3)4/h;;(H2,1,2,3,4)/q2*+1;/p-2
InchiKey:	PMZURENOXWZQFD-UHFFFAOYSA-L
Formula:	Na2O4S
SMILES:	O=S(=O)(O[Na])O[Na]
Mol. weight [g/mol]:	142.04

## Sources

Determination and modeling for the solubility of Na2MoO4.2H2O in the NaCl-H2O system	<a href="https://www.doi.org/10.1016/j.jct.2015.10.020">https://www.doi.org/10.1016/j.jct.2015.10.020</a>
Equilibrium Solubility of Sodium 3-Nitrobenzenesulfonate in Binary NaCl-H2O	<a href="https://www.doi.org/10.1021/je3010134">https://www.doi.org/10.1021/je3010134</a>
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**Phase diagrams of Na<sub>2</sub>SO<sub>4</sub>-MgSO<sub>4</sub>-CO(NH<sub>2</sub>)<sub>2</sub>-H<sub>2</sub>O system**

Determination of Solubility of Sodium Salts in Aqueous Surfactant and STPP Solutions Using an Ion Selective Electrode

[2,3-dimethyl-imidazolium][Ethylsulphate] two phase systems: New Equilibrium Phase Diagrams (60 to 90) °C Pressure and Dissolution Enthalpy Measurements in Ternary H<sub>2</sub>O-LiClO<sub>4</sub>-NaHSO<sub>4</sub> System

Sulfateheptate air binary: (sodium chloride sulfate) + sodium sulfate + glycerol-methanol-oleum water solvent blends in liquid-vapor phases for use as propellants in the aerospace industry: H<sub>2</sub>O-Na<sub>2</sub>SO<sub>4</sub>-Li<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O at 273.15 K and Na<sub>2</sub>SO<sub>4</sub>+H<sub>2</sub>O at 273.15 K and equilibrium of ionic liquid N-butylpyridiniumtetrafluoroborate and its organic/aqueous solutions

Aqueous solution mixtures for sodium formate, ammonium sulfate, urea and methanesulfonic acid in aqueous and concentrated sulfuric acid-water heat exchanger applications: Na<sub>2</sub>SO<sub>4</sub>, Li<sub>2</sub>SO<sub>4</sub>, and MgSO<sub>4</sub> solubilities and Na<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O Systems in Aqueous Salt and Water and Na<sub>2</sub>SO<sub>4</sub> solubility in sodium dodecyl sulphate solution with galactaric dihydrate solution as ternary and higher systems

Binary Sodium Chloride + Water, Sodium Sulfate + Water and NaF+Acetic Acid in Mixtures in Two Phase Equilibrium Coexisting Homogeneous and Supercritical Systems Containing the Critical Point Liquid Equilibrium of the Quaternary System Na+/Cl-, NO<sub>3</sub>- , and SO<sub>4</sub>=/H<sub>2</sub>O; High Pressure Caloric Properties of a Quaternary System Na+/Cl-, NO<sub>3</sub>- , SO<sub>4</sub>=/H<sub>2</sub>O of aqueous Na<sub>2</sub>SO<sub>4</sub> solutions at temperatures from 298 to 573 K and phase equilibria to 40 MPa

Raman Scattering and CHAN Programs for the Aqueous Ternary System Na<sub>2</sub>SO<sub>4</sub>-KNO<sub>3</sub>-H<sub>2</sub>O in the Temperature Range 298–400 K and model for the Br<sub>2</sub>/O<sub>2</sub>-N<sub>2</sub>/CH<sub>4</sub>-and H<sub>2</sub>O system and ethanolic mixed solvents in the presence of electrolyte of Na+/Cl-, NO<sub>3</sub>-/SO<sub>4</sub>=-H<sub>2</sub>O quaternary system at pressures up to 150 MPa

Basic and Neutral Amino Acids in Aqueous Electrolytic Solutions: Measurements and Interpretations of an Aqueous Two-Phase Study of Systems containing PEG-SO<sub>4</sub> and Sorbing States and Solution Phases in the NaCl-H<sub>2</sub>O system Na<sub>2</sub>SO<sub>3</sub>-Na<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O in a Wide Range and modeling as aqueous electrolyte-amino acid solutions with special reference on MILB/water liquid-liquid equilibrium: Measuring the influence of Na<sub>2</sub>SO<sub>4</sub> on the CO<sub>2</sub> solubility in water at high pressure: Saturation Composition and Density Data for the Sodium Sulfate + Sulfuric Acid -water phase system: volumetric and compressibility determination and modeling for the solubility of Na<sub>2</sub>WO<sub>4</sub>·2H<sub>2</sub>O and Na<sub>2</sub>SiO<sub>3</sub>·2H<sub>2</sub>O in the NaCl of the Na<sub>2</sub>O/H<sub>2</sub>O Systems 1Na<sub>2</sub>SO<sub>4</sub>-(2Na<sub>2</sub>HPO<sub>4</sub>)-xH<sub>2</sub>O (x=0.5)-(Na<sub>2</sub>SO<sub>4</sub>)+(Na<sub>2</sub>HPO<sub>4</sub>) Ternary System (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>+H<sub>2</sub>O+(Na<sub>2</sub>SO<sub>4</sub>+H<sub>2</sub>O) Quadratic Solid Solution and p-T phase diagram for the reciprocal association system evaluation of the Na<sub>2</sub>CO<sub>3</sub>-CaCl<sub>2</sub>-H<sub>2</sub>O at 13, 15 K:

Final Raman spectra equilibrium ternary system (Na<sub>2</sub>SO<sub>4</sub>+Li<sub>2</sub>SO<sub>4</sub>+H<sub>2</sub>O) at 300 bar and viscosity Properties of MgSO<sub>4</sub>/CuSO<sub>4</sub> in Sucrose + Water Binary Equilibria of the Na+, NH<sub>4</sub>+//SO<sub>4</sub>2-, NO<sub>3</sub>--H<sub>2</sub>O Quaternary System at 303.15 and 323.15 K:

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