

## *Sodium Chloride Solution Density Table*

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**Sodium Chloride Solution Density Table**

The table below gives the density (kg/L) and the corresponding concentration (% weight) of Sodium Chloride (NaCl) in water at different temperatures in degrees centigrade (°C). The table was taken from "Perry's Chemical Engineers' Handbook" by Robert H. Perry, Don Green, Sixth Edition.

**The Complete Sodium Chloride Density-Concentration Table ...**

Density concentration tables (+20°C) Thank you for visiting [www.mt.com](http://www.mt.com). We have tried to optimize your experience while on the site, but we noticed that you are using an older version of a web browser.

**Sodium Chloride - METTLER TOLEDO**

Density of inorganic sodium salts in water is plotted as function of wt%, mol/kg water and mol/l solution. Sponsored Links. Be aware of the concentration units in the figures: wt%: Mass of solute/total mass of solution\*100%. mol/kg: Molality = moles of solute/kg of water. mol/liter: Molarity = moles of solute/liter of solution.

**Density of aqueous solutions of inorganic sodium salts**

m Molality (moles of solute per kg of water). c Molarity (moles of solute per liter of solution).  $\rho$  Density of solution in g/cm<sup>3</sup>. n Index of refraction, relative to air, at a wavelength of 589 nm (sodium D line); the index of pure water at 20°C is 1.3330.  $\Delta$  Freezing point depression in °C relative to pure water.

**CONCENTRATIVE PROPERTIES OF AQUEOUS SOLUTIONS: DENSITY ...**

71376, 71386 Sodium chloride (Halite, Common Salt or Table Salt, Rock Salt) CAS number: 7647-14-5. Product Description: Molecular formula: NaCl Appearance: white powder (crystalline) Molecular weight: 58.44 g/mol Density of large crystals: 2.17 g/ml<sup>1</sup> Melting Point: 804°C<sup>1</sup> Density: 1.186 g/ml (5 M in water)<sup>2</sup> Solubility: 1 M in H.

**71386 Sodium chloride - Sigma-Aldrich**

The volumetric properties of aqueous sodium chloride solutions from 0° to 500°C at pressures up to 2000 bars for concentrations ranging from infinite dilution to as high as 8.0 molal have been obtained by a computer regression of the available experimental data from the literature.

**The Volumetric Properties of Aqueous Sodium Chloride ...**

The density of aqueous NaCl solutions is a nearly-linear function of the NaCl concentration (in mass percent). A linear relationship permits a reliable standard curve to be constructed (see Figure 1).

**Chemistry Lab 1: Density of Aqueous Sodium Chloride Solutions**

Density Data. The experimental data shown in these pages are freely available and have been published already in the DDB Explorer Edition. The data represent a small sub list of all available data in the Dortmund Data Bank. For more data or any further information please search the DDB or contact DDBST.. Density Data Set 21546

**Densities of Sodium chloride - DDBST**

Solid sodium chloride. Solid sodium chloride has a melting point of 801 °C. Thermal conductivity of sodium chloride as a function of temperature has a maximum of 2.03 W/(cm K) at 8 K (−265.15 °C; −445.27 °F) and decreases to 0.069 at 314 K (41 °C; 106 °F). It also decreases with doping.

**Sodium chloride - Wikipedia**

Viscosity and Density of Water + Sodium Chloride + Potassium Chloride Solutions at 298.15 K Journal of Chemical & Engineering Data. Zhang, and Han Abstract: The viscosity and density of water + sodium chloride + potassium chloride solutions were measured at 298.15 K from very dilute to saturated as well as supersaturated solutions.

**Densities of aqueous solutions of sodium chloride ...**

Density of Aqueous Sodium Chloride Solutions Prepared by Ross S. Nord and Stephen E. Schullery, Eastern Michigan University PURPOSE Determine the concentration of an unknown sodium chloride solution by measuring its density and comparing with a standard curve prepared from solutions of known density. Practice using pipets and balances.

**Density of Aqueous Sodium Chloride Solutions - emich.edu**

Following table contains density information for solutions of a few selected popular reagents. Registered version of CASC contains more accurate density tables for over 300 compounds and can be used instead of a handbook.

**Density tables of sodium hydroxide NaOH, sulfuric acid ...**

Sodium Chloride (Salt) Brine Tables for Brine at 60 F (15° C) in US Gallons At 100 degrees brine is fully saturated and contains 26.395 % of salt. 1 US gallon of water weighs 8.33 lbs, 1 US gallon = 3.8 liters = 3.8 kilograms, 1 pound = .453kg, 1kg = 2.2 lbs.

**Sodium Chloride (Salt) Brine Tables for Brine at 60 F (15 ...**

SATURATED SODIUM CHLORIDE BRINE, DENSITY & SOLUBILITY AT VARIOUS TEMPERATURES F° C°  
Specific Gravity Sodium Chloride Brine (Wt %) (lbs/gal) (lbs/gal) 32 0 1.2093 26.34 2.652 10.07 50  
10 1.2044 26.35 2.644 10.03 59 15 1.2040 26.40 2.647 10.03 68 20 1.1999 26.43 2.643 10

**SATURATED SODIUM CHLORIDE BRINE, DENSITY & SOLUBILITY AT ...**

Sodium Chloride is a metal halide composed of sodium and chloride with sodium and chloride replacement capabilities. When depleted in the body, sodium must be replaced in order to maintain intracellular osmolarity, nerve conduction, muscle contraction and normal renal function.

**Sodium chloride | NaCl - PubChem**

Density Changes with Concentration Crystalline sodium chloride, NaCl(s) has a higher density than water at 2.165 g/mL. The density of any NaCl solution will be greater than that of pure water but, as we saw above, the density is close to that of pure water.

**Concentration - butane.chem.uiuc.edu**

L. Density of aqueous sodium chloride (NaCl) solution 1. NaCl Solution Density Table preparation a. Enter laboratory temperature (DIL1a) in the top row of the 4th column of Table A1 b.

**Solved: L. Density Of Aqueous Sodium Chloride (NaCl) Soluti ...**

Technical Sodium Chlorite Solution 31.25 Sodium Chlorite, min (%) 24.25 Sodium Chloride, max (%) 3.0 Inert Ingredients, mixture of other sodium salts (%) 3 - 4 68.25 -75.75 Appearance clear, pale yellow Density @ 25°C (lb/gal) 10.2 Crystallization Point (°C) -7 Properties of Technical Sodium Chlorite Solution 18.75 Sodium Chlorite, min (%) 15.0

**SODIUM CHLORITE HANDBOOK - oxy.com**

The table below gives the density (kg/L) and the corresponding concentration (% weight) of Sodium Hydroxide in water at different temperatures in degrees centigrade (°C). The table was taken from "Perry's Chemical Engineers' Handbook" by Robert H. Perry, Don Green, Sixth Edition.

**The Complete Sodium Hydroxide Density-Concentration Table ...**

Sigma-Aldrich offers a number of Sodium chloride solution products. View information & documentation regarding Sodium chloride solution, including CAS, MSDS & more.

## Sodium Chloride Solution Density Table

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