

## ***What Is A Supersaturated Solution In Chemistry***

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***Supersaturated solution | definition of supersaturated ...  
How to Make a Supersaturated Solution. Imagine adding sugar to a glass of water. At some point the water will have dissolved all the sugar it can and no more sugar will dissolve no matter how much you stir it, meaning the solution is saturated. If that same solution is heated, more sugar will dissolve. This is a supersaturated solution.***

***Supersaturated Solution: Definition & Example - Video ...  
A supersaturated solution is when there is more solute present in the solution than can be absorbed by the solvent.***

***10.15: Saturated and Supersaturated Solutions - Chemistry ...  
A supersaturated solution is one that has more solute dissolved in it than would normally dissolve in the solvent at that specific temperature.***

***What is a supersaturated solution - Answers  
supersaturated 1. (Chemistry) (of a solution) containing more solute than a saturated solution and therefore not in equilibrium. 2. (Chemistry) (of a vapour) containing more material than a saturated vapour and therefore***

***not in equilibrium.***

***Difference Between Saturated and Supersaturated Solution ...***

***Supersaturated solution refers to a solution that contains more of dissolved material than could be dissolved by the solvent under normal circumstances. The rapid transfer of heat from the blank to the die allows for alloying elements to be locked in a supersaturated solution state (SSSS).***

***What is a supersaturated solution? | Study.com***

***A supersaturated solution is produced when a substance — a solute — is dissolved in water or another solvent to a degree not ordinarily possible. Most substances form a supersaturated solution only with difficulty. A supersaturated solution is generally achieved through changing the conditions of a saturated solution.***

***What Is A Supersaturated Solution***

***A supersaturated solution is a solution with more dissolved solute than the solvent would normally dissolve in its current conditions. Supersaturation is achieved by dissolving a solute in one set of conditions, then transferring it to other conditions without triggering any***

***release of the solute.***

***Supersaturated | Definition of Supersaturated at ...***

***Supersaturated Solution: At a particular temperature a solution is said to be a supersaturated solution if it contains more solute molecules it can dissolve. Chemical Explanation For saturated solutions ;  $Q = K_{sp}$  (No precipitation)***

***What Is a Supersaturated Solution? | Reference.com***

***Supersaturation is a solution that contains more of the dissolved material than could be dissolved by the solvent under normal circumstances. It can also refer to a vapor of a compound that has a higher (partial) pressure than the vapor pressure of that compound.***

***Supersaturation - Wikipedia***

***As the shear rate grows, the bubble nucleation rate in the supersaturated solution increases, but the increase in the number of supercritical bubbles is accompanied by their stronger coalescence. Supersaturated solutions contain dissolved sugar at a higher ratio than is normally possible at a given temperature.***

***How to Make a Supersaturated Solution | Sciencing***

***Luckily for you, chemists know how to make a supersaturated solution, a solution that holds more solute than it normally could in its saturated form. Supersaturated solutions are very unstable, and the solute will readily fall out of solution if disturbed. As it does this, crystals can form, releasing heat in the process.***

***Supersaturated | Definition of Supersaturated by Merriam ...  
Supersaturated definition, to increase the concentration of (a solution) beyond saturation; saturate abnormally. See more.***

### ***Saturated Solution Definition and Examples***

***In this case, a supersaturated solution of sodium acetate is poured over a crystal of sodium acetate. These crystals provide the lattice structure "seed" which causes the sodium acetate ions in solution to crystallize out. The salt begins to crystallize, forming a large sodium acetate structure from the precipitation of the ions out of solution.***

### ***Supersaturated - definition of supersaturated by The Free ...***

***The definition of a supersaturated solution is one which contains more dissolved solute than could ordinarily dissolve into the solvent. A minor disturbance of the solution or introduction of a "seed" or tiny crystal of solute will force crystallization of excess solute. One way supersaturation***

***can occur is by carefully cooling a saturated solution. If there is no nucleation point for crystal formation, the excess solute may remain in solution.***

***What Is a Supersaturated Solution? - wiseGEEK***

***: containing an amount of a substance greater than that required for saturation as a result of having been cooled from a higher temperature to a temperature below that at which saturation occurs a supersaturated solution air supersaturated with water vapor***

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