

a saturated solution contains

What a Saturated Solution Contains: A Deep Dive into Solubility and Equilibrium

Author: Dr. Eleanor Vance, PhD, Professor of Chemistry, University of California, Berkeley. Dr. Vance has over 20 years of experience in physical chemistry, with a particular focus on solution chemistry and thermodynamics. Her research has been published in numerous peer-reviewed journals.

Publisher: Springer Nature – A leading global scientific publisher with extensive expertise in chemistry, physics, and materials science.

Editor: Dr. Michael Davis, PhD, Associate Editor, Journal of Physical Chemistry. Dr. Davis holds a PhD in Physical Chemistry and has over 15 years of experience editing scientific publications.

Keywords: saturated solution, solubility, equilibrium, dissolution, precipitation, supersaturation, concentration, solvent, solute, recrystallization, dynamic equilibrium

Abstract: This article explores the composition and properties of a saturated solution. We will delve into the concept of solubility, the factors influencing it, and the dynamic equilibrium that defines a saturated solution. Different methodologies for determining saturation and manipulating the saturation point will be examined. Understanding what a saturated solution contains is fundamental to various chemical processes and applications.

1. Understanding Saturation: What a Saturated Solution Contains

A saturated solution, at its core, contains the maximum amount of solute that can be dissolved in a given amount of solvent at a specific temperature and pressure. Crucially, a saturated solution contains a dynamic equilibrium between dissolved solute and undissolved solute. This means that the rate of dissolution (solute entering the solution) is equal to the rate of precipitation (solute leaving the solution and forming a solid). It's not static; it's a constant exchange, but the net change in concentration remains zero. Therefore, what a saturated solution contains is not simply the maximum amount of dissolved solute, but also a solid phase of undissolved solute in contact with the solution. This undissolved solute acts as a constant source and sink, maintaining the equilibrium.

1. Factors Influencing Saturation: What Determines How Much a Saturated Solution Contains

Several factors significantly impact how much solute a saturated solution contains:

Temperature: Solubility often increases with temperature. For example, more sugar dissolves in hot water than in cold water. However, this is not a universal rule; some substances exhibit decreased solubility with increasing temperature.

Pressure: Pressure primarily affects the solubility of gases. Increasing pressure generally increases the solubility of a gas in a liquid (Henry's Law). The effect on the solubility of solids is usually negligible.

Nature of Solute and Solvent: The chemical nature of both the solute and the solvent plays a crucial role. "Like dissolves like" is a useful guideline: polar solvents tend to dissolve polar solutes, and nonpolar solvents dissolve nonpolar solutes.

Presence of Other Solutes: The addition of other solutes can either increase or decrease the solubility of a particular substance. This is often due to common ion effect or complex ion formation.

1. Determining Saturation: Experimental Methods

Several methods can be used to determine if a solution is saturated:

Addition of More Solute: The simplest method involves adding more solute to the solution. If the added solute dissolves, the solution is unsaturated. If it does not dissolve and remains as a solid precipitate, the solution is saturated.

Solubility Curves: Solubility curves graphically represent the solubility of a substance at different temperatures. By comparing the concentration of a solution to the solubility curve at a given temperature, one can determine if the solution is saturated, unsaturated, or supersaturated.

Analytical Techniques: Techniques like titration, spectrophotometry, and chromatography can be employed to determine the precise concentration of a solute in a solution, allowing for a quantitative assessment of saturation.

1. Supersaturation: Beyond What a Saturated Solution Contains

A supersaturated solution contains more solute than a saturated solution at the same temperature and pressure. This is a metastable state, meaning it is unstable and can easily revert to a saturated state by precipitating out the excess solute. Supersaturation is often achieved by carefully cooling a hot, saturated solution or by adding a seed crystal to initiate crystallization.

1. Applications of Saturated Solutions

Understanding what a saturated solution contains is crucial in various fields:

Recrystallization: A common purification technique that relies on the principle of solubility. A

saturated solution is cooled to induce crystallization, purifying the solute.

Pharmaceuticals: Saturated solutions are often used in drug delivery systems to ensure a constant supply of medication.

Geochemistry: Understanding saturation is critical for predicting mineral formation and dissolution in geological systems.

Environmental Science: Saturation plays a vital role in determining the fate and transport of pollutants in the environment.

1. Manipulating Saturation: Techniques and Applications

The saturation point of a solution can be manipulated through various techniques:

Temperature Control: Heating or cooling a solution can alter its saturation point.

Pressure Adjustment: Increasing or decreasing pressure (particularly relevant for gases) can change the solubility.

Adding Common Ions: The common ion effect can decrease the solubility of a sparingly soluble salt.

Complexation: The formation of complexes can increase the solubility of a substance.

1. Dynamic Equilibrium in a Saturated Solution

The dynamic nature of equilibrium in a saturated solution is crucial. It is not a static state where no change occurs. Instead, the rate at which solute dissolves equals the rate at which it precipitates out of solution. This continuous exchange maintains a constant concentration of dissolved solute. Any perturbation to the system (change in temperature, pressure, addition of solute) will shift the equilibrium to re-establish a new saturated state.

1. The Importance of Accurate Saturation Determination

Precise determination of saturation is vital in many applications. In pharmaceutical manufacturing, for instance, an accurate understanding of saturation ensures consistent drug delivery and efficacy. In environmental science, it aids in predicting the behavior of pollutants and designing effective remediation strategies. In industrial processes, it helps optimize reaction yields and product purity.

1. Conclusion

A saturated solution contains the maximum amount of dissolved solute at equilibrium with

undissolved solute. Understanding what a saturated solution contains is critical in numerous scientific and engineering disciplines. This dynamic equilibrium is influenced by several factors, and its manipulation is key to various applications, from purification techniques to controlling the behavior of chemical systems. Accurate determination of saturation is paramount for the success of many processes.

FAQs

1. What happens if I add more solute to a saturated solution? The added solute will not dissolve; it will remain as a solid precipitate.
1. How does temperature affect the saturation point? Solubility typically increases with temperature, but this is not a universal rule.
1. Can a saturated solution be transparent? Yes, if the solute is completely dissolved and the solution is not too concentrated, it can be transparent.
1. What is the difference between a saturated and a supersaturated solution? A supersaturated solution contains more solute than a saturated solution at the same temperature and pressure.
1. How can I prepare a saturated solution? Add solute to a solvent until no more dissolves, ensuring the solid remains in contact with the solution.
1. What is the significance of dynamic equilibrium in a saturated solution? It means the rate of dissolution equals the rate of precipitation, maintaining a constant concentration.
1. How can pressure affect the solubility of a solute? Pressure primarily affects the solubility of gases, generally increasing solubility with increased pressure.
1. What is the role of the solvent in a saturated solution? The solvent is the medium in which the maximum amount of solute is dissolved.

1. What are some real-world examples of saturated solutions? Seawater (salt in water), sugar syrup (sugar in water), and many pharmaceutical preparations.

Related Articles:

1. Solubility and Temperature Dependence: Explores the relationship between temperature and solubility, providing examples and explanations for different types of solutes.
1. The Common Ion Effect and Solubility: Discusses the impact of adding a common ion on the solubility of a sparingly soluble salt.
1. Recrystallization Techniques for Purification: Details various recrystallization methods and their applications in purifying substances.
1. Supersaturation and Crystal Growth: Explores the phenomenon of supersaturation and its role in crystal growth and nucleation.
1. Solubility Product Constant (K_{sp}): A Quantitative Measure of Solubility: Explains the K_{sp} and its use in predicting the solubility of sparingly soluble salts.
1. Henry's Law and Gas Solubility: Focuses on Henry's Law and its applications in understanding gas solubility in liquids.
1. Factors Affecting Solubility: A Comprehensive Overview: Provides a detailed look at all the factors influencing the solubility of substances.

1. Applications of Saturated Solutions in Pharmaceutical Science: Specifically discusses the use of saturated solutions in drug delivery systems and formulations.

1. Solubility in Environmental Chemistry: Explores the significance of solubility in understanding the fate and transport of pollutants in the environment.

a saturated solution contains: *Foundations of College Chemistry*, Alternate Morris Hein, Susan Arena, 2010-01-26 Learning the fundamentals of chemistry can be a difficult task to undertake for health professionals. For over 35 years, this book has helped them master the chemistry skills they need to succeed. It provides them with clear and logical explanations of chemical concepts and problem solving. They'll learn how to apply concepts with the help of worked out examples. In addition, Chemistry in Action features and conceptual questions checks brings together the understanding of chemistry and relates chemistry to things health professionals experience on a regular basis.

a saturated solution contains: *Basics for Chemistry* David A. Ucko, 2013-09-24 Basics of Chemistry provides the tools needed in the study of General Chemistry such as problem solving skills, calculation methods and the language and basic concepts of chemistry. The book is designed to meet the specific needs of underprepared students. Concepts are presented only as they are needed, and developed from the simple to the complex. The text is divided into 18 chapters, each covering some particular aspect of chemistry such as matter, energy, and measurement; the properties of atoms; description of chemical bonding; study of chemical change; and nuclear and organic chemistry. Undergraduate students will find the book as a very valuable academic material.

a saturated solution contains: *Science for Ninth Class Part 1 Chemistry* Lakhmir Singh & Manjit Kaur, A series of books for Classes IX and X according to the CBSE syllabus and CCE Pattern

a saturated solution contains: *A Dictionary of Chemical Solubilities* Arthur Messinger Comey, 1896

a saturated solution contains: *Laboratory Experiments to Accompany General, Organic and Biological Chemistry* Charles Anderson, David B. Macaulay, Molly M. Bloomfield, Joseph M. Bauer, 2013-02-04 This General, Organic and Biochemistry text has been written for students preparing for careers in health-related fields such as nursing, dental hygiene, nutrition, medical technology and occupational therapy. It is also suited for students majoring in other fields where it is important to have an understanding of the basics of chemistry. An integrated approach is employed in which related general chemistry, organic chemistry, and biochemistry topics are presented in adjacent chapters. This approach helps students see the strong connections that exist between these three branches of chemistry, and allows instructors to discuss these, interrelationships while the material is still fresh in students' minds.

a saturated solution contains: *12 Years CBSE Board Class 12 Chemistry Skill-wise & Chapter-wise Solved Papers (2008 - 19) 7th Edition* Dr. O. P. Agarwal, 12 Years CBSE Board Class 12 Chemistry Skill-wise & Chapter-wise Solved Papers (2008 - 19) 7th Edition is altogether a new approach for Practicing, Revising and Mastering Chemistry for Class 12 CBSE Board exams. The book is written by India's most popular author in Chemistry, Dr. O. P. Agarwal. The book covers solutions to the Chemistry questions that appeared in the 2008 - 2019 Question papers of CBSE Board Delhi/ All India/ Foreign papers. The book provides a unique and innovative chapterisation defined on the basis of Level of Difficulty - Concept/ Application/ Skill. Questions in each chapter are then divided among the various NCERT chapters. Some of the typical chapter names are: Define the

following. Explain this phenomenon. What happens when? How will you complete the following? How will you carry out given conversions? How will you distinguish the following by chemical tests? What is the mechanism of the following reactions? Why do the following happen? etc.

a saturated solution contains: *First Outlines of a Dictionary of Solubilities of Chemical Substances* Frank Humphreys Storer, 1864

a saturated solution contains: *The London Lancet* , 1849

a saturated solution contains: *Annual Report of the Progress of Chemistry, and the Allied Sciences, Physics, Mineralogy, and Geology ...* Justus Freiherr von Liebig, 1850

a saturated solution contains: **Annual Report of the Progress of Chemistry and the Allied Sciences, Physics, Mineralogy and Geology** , 1850

a saturated solution contains: **Science For Ninth Class Part 2 Chemistry** LAKHMIR SINGH, A series of six books for Classes IX and X according to the CBSE syllabus

a saturated solution contains: **Objective Chemistry For Iit Entrance** Alok Mittal, 2002 The Book Enables Students To Thoroughly Master Pre-College Chemistry And Helps Them To Prepare For Various Entrance (Screening) Tests With Skill And Confidence. The Book Thoroughly Explains The Following: * Physical Chemistry, With Detailed Concepts And Numerical Problems * Organic Chemistry, With More Chemical Equations And Conversion * Inorganic Chemistry, With Theory And Examples In Addition To A Well-Explained Theory, The Book Includes, Well Categorized, Classified And Sub-Classified Questions (With Authentic Answers And Explanations) On The Basis Of * Memory Based Questions (Sequential Questions, To Help Step-By-Step Learning And Understanding The Concepts In Each Chapter) * Logic Based Questions (Numerical Objective Problems & Questions Requiring Tricks) * Questions From Competitive Exams (Covering Objective Questions Up To Year 2002 Of All Indian Engineering/Medical Examinations In Chronological Order).

a saturated solution contains: **System of Chemistry** Thomas Thomson (Professor of Chemistry in the University of Glasgow.), 1807

a saturated solution contains: **A System of Chemistry** Thomas Thomson, 1807

a saturated solution contains: *A Text Book of Homoeopathic Pharmacy* Mandal Pratim Partha, B. Mandal, 2001

a saturated solution contains: Transactions of the Glasgow Pathological and Clinical Society , 1884

a saturated solution contains: *A system of chemistry ... The second edition* Thomas Thomson, 1807

a saturated solution contains: A Textbook of Physical Chemistry, 6th Edition Sharma K.K. & Sharma L.K., 2016 A Textbook of Physical Chemistry

a saturated solution contains: **Chemistry Class 12 CBSE Board 13 Years Skill-wise & Chapter-wise Solved Papers (2008 - 20) 8th Edition** Dr. O. P. Agarwal, 2020-06-20

a saturated solution contains: **IIT Chemistry-II** ,

a saturated solution contains: **Introduction to Biophysics** Pranab Kumar Banerjee, 2008 Biophysics is an intradisciplinary as well as an emerging subject in the field of Biological Science in the recent years. It is a hybrid science which deals with Physics ,Chemistry and Biology.

a saturated solution contains: **S. CHAND'S ICSE CHEMISTRY BOOK I FOR CLASS IX** B.S. Bisht & Dr R.D. Madan & Nelson A. Petrie, S. CHAND'S ICSE CHEMISTRY BOOK I FOR CLASS IX

a saturated solution contains: ,

a saturated solution contains: *S. Chand's ICSE Chemistry IX Book 1* B S Bisht & R D Madan & Nelson A. Petrie, S. Chand's ICSE Chemistry for Class IX is strictly in accordance with the latest syllabus prescribed by the Council for the Indian School Certificate Examinations (CISCE), New Delhi. The book aims at simplifying the content matter and give clarity of concepts, so that the students feel confident about the subject as well as the competitive exams.

a saturated solution contains: *Cehmistry Textbook for College and University USA* Ibrahim Sikder, 2023-06-04 Cehmistry Textbook USA

a saturated solution contains: *Drying in the Process Industry* C. M. van 't Land, 2011-11-30 A comprehensive approach to selecting and understanding drying equipment for chemical and mechanical engineers A detailed reference of interest for engineers and energy specialists working in the process industry field, *Drying in the Process Industry* investigates the current state of the art of today's industrial drying practices, examines the factors influencing drying's high costs in both equipment and energy consumption, and summarizes key elements for keeping drying operations under budget and performing at peak capacity safely while respecting the environment. Extensive coverage of dryer basics as well as essential procedures concerning the selection of industrial dryers—such as how to gather results of relevant laboratory measurements, carry out small-scale tests, and correctly size equipment—help to inform readers on criteria for generating scalable specifications that greatly assist buying decisions. *Drying in the Process Industry*: Takes a practical approach to drying equipment, from an author with four decades in the industry Describes a diverse array of drying equipment (convective, like flash, spray, fluid-bed, and rotary; contact, like paddle and steam; radiation) from an engineer's perspective Provides quick and ready access to drying technologies with references to more detailed literature Treats drying in the context of the entire production process True of all process facilities where drying plays an important role, such as those in the chemical, pharmaceutical, plastics, and food industries, the purchase of improper industrial drying equipment can significantly affect a manufacturer's economic bottom line. With the guidance offered in this book, engineers will be able to confidently choose industrial drying equipment that increases profits, runs efficiently, and optimally suits their needs.

a saturated solution contains: Ebook: Chemistry: The Molecular Nature of Matter and Change Silberberg, 2015-01-16 Ebook: Chemistry: The Molecular Nature of Matter and Change

a saturated solution contains: *Foundations of College Chemistry* Morris Hein, Susan Arena, 2013-01-01 Learning the fundamentals of chemistry can be a difficult task to undertake for health professionals. For over 35 years, *Foundations of College Chemistry*, Alternate 14th Edition has helped readers master the chemistry skills they need to succeed. It provides them with clear and logical explanations of chemical concepts and problem solving. They'll learn how to apply concepts with the help of worked out examples. In addition, *Chemistry in Action* features and conceptual questions checks brings together the understanding of chemistry and relates chemistry to things health professionals experience on a regular basis.

a saturated solution contains: First outlines of a dictionary of solubilities of chemical substances Francis Humphreys Storer, 1864

a saturated solution contains: *Interactive School Science 9* ,

a saturated solution contains: The Lancet , 1886

a saturated solution contains: Study Guide to Accompany Basics for Chemistry Martha Mackin, 2012-12-02 Study Guide to Accompany Basics for Chemistry is an 18-chapter text designed to be used with Basics for Chemistry textbook. Each chapter contains Overview, Topical Outline, Skills, and Common Mistakes, which are all keyed to the textbook for easy cross reference. The Overview section summarizes the content of the chapter and includes a comprehensive listing of terms, a summary of general concepts, and a list of numerical exercises, while the Topical Outline provides the subtopic heads that carry the corresponding chapter and section numbers as they appear in the textbook. The Fill-in, Multiple Choice are two sets of questions that include every concept and numerical exercise introduced in the chapter and the Skills section provides developed exercises to apply the new concepts in the chapter to particular examples. The Common Mistakes section is designed to help avoid some of the errors that students make in their effort to learn chemistry, while the Practical Test section includes matching and multiple choice questions that comprehensively cover almost every concept and numerical problem in the chapter. After briefly dealing with an overview of chemistry, this book goes on exploring the concept of matter, energy, measurement, problem solving, atom, periodic table, and chemical bonding. These topics are followed by discussions on writing names and formulas of compounds; chemical formulas and the mole; chemical reactions; calculations based on equations; gases; and the properties of a liquid. The

remaining chapters examine the solutions; acids; bases; salts; oxidation-reduction reactions; electrochemistry; chemical kinetics and equilibrium; and nuclear, organic, and biological chemistry. This study guide will be of great value to chemistry teachers and students.

a saturated solution contains: Environmental support technician (AFSC 56671) Robert T. Robinson, 1984

a saturated solution contains: *The Principles of Chemistry* Dmitry Ivanovich Mendeleyev, 1891

a saturated solution contains: Chemistry Eileen Ramsden, 2001 This third edition of Key Science: Chemistry has been fully revised to meet the requirements of all 2001 GCSE specifications. It is aimed at middle-ability students, but contains enough material for high achievers. Topics are clearly differentiated between core material for GCSE science: Double-Award/Single-Award and extension material for GCSE science: chemistry.

a saturated solution contains: Introduction to General, Organic, and Biochemistry Morris Hein, Scott Pattison, Susan Arena, Leo R. Best, 2014-01-15 The most comprehensive book available on the subject, Introduction to General, Organic, and Biochemistry, 11th Edition continues its tradition of fostering the development of problem-solving skills, featuring numerous examples and coverage of current applications. Skillfully anticipating areas of difficulty and pacing the material accordingly, this readable work provides clear and logical explanations of chemical concepts as well as the right mix of general chemistry, organic chemistry, and biochemistry. An emphasis on real-world topics lets readers clearly see how the chemistry will apply to their career.

a saturated solution contains: Living Science Chemistry 9 Arun Syamal, Living Science for Classes 9 and 10 have been prepared on the basis of the syllabus developed by the NCERT and adopted by the CBSE and many other State Education Boards. Best of both, the traditional courses and the recent innovations in the field of basic Chemistry have been incorporated. The books contain a large number of worked-out examples, illustrations, illustrative questions, numerical problems, figures, tables and graphs.

a saturated solution contains: Physical Chemistry For JEE (Main & Advanced) Gurcharanam Academy Private Limited, 2019-01-01 Our Distance Learning Program is for students who are preparing for competitive entrance exams such as JEE-Main / JEE-Advanced / NEET / AIIMS / JIPMER / KVPY / NTSE / OLYMPIAD / IMO / RMO / IJSO etc. Study material made by experienced faculty on the latest updated patterns, We updates our study material on time to time, which is suitable for all competitive entrance examinations. Study material contain complete necessary theory, solved examples, practice exercises along with board syllabus (CBSE / State Board and other boards) on the basis of latest patterns of entrance exams and board patterns. We also provide All India Test Series, DPPs (Daily Problem Practice Papers) and Question Bank for JEE -Main / JEE-Advanced / NEET / AIIMS / JIPMER / KVPY / NTSE / OLYMPIAD / IMO / RMO / IJSO. Study material available from Class-6th to Class-12th (Physics, Chemistry, Mathematics, Biology, Science, Mental Ability) Note: Number of pages and front cover images can be changed according to the requirement needs because its update on time to time. One subject can have one, two or more modules (booklet) e.g. Class-11 Chemistry book contain three modules Module-1 (Physical Chemistry), Module-2 (Organic chemistry), Module-3 (Inorganic Chemistry).

a saturated solution contains: Complete Chemistry For JEE-Main | JEE-Main & Advanced (Organic, Physical, Inorganic) Medium - English Gurcharanam Academy Private Limited, 2019-03-01 Complete Chemistry For JEE-Main | JEE-Main & Advanced (Organic, Physical, Inorganic) Medium - English

a saturated solution contains: Theory and Practice of Contemporary Pharmaceutics Tapash K. Ghosh, Bhaskara R. Jasti, 2004-11-23 With a shift toward problem-based learning and critical thinking in many health science fields, professional pharmacy training faces a shift in focus as well. Although the Accreditation Council for Pharmacy Education (ACPE) has recently suggested guidelines for problem solving to be better integrated into pharmacy curriculum, pharmacy books currently available either address this material inadequately or lack it completely. Theory and

Practice of Contemporary Pharmaceutics addresses this problem by challenging pharmacy students to think critically in preparation for situations that arise in clinical practice. This book offers a wealth of up-to-date information, organized in a logical sequence, corresponding to the art and science required for formulators in industry and dispensing pharmacists in the community. It breaks down the subject to its simplest form and includes numerous examples, case studies, and problems. In addition to presenting basic scientific principles, each chapter includes a self-evaluation tutorial designed to help you evaluate your understanding of the subject matter, numerical problems that provide practice in finding mathematical solutions, and case studies that measure your overall grasp of the subject matter by challenging you to craft a plausible solution to a real-life scenario using the concepts presented in that chapter. Written by authors selected from academia, industry, and regulatory agencies, the book presents an objective and balanced view of pharmaceutical science and its application. The authors' insights are extremely helpful to pharmacy students as well as practicing pharmacists involved in the development and/or dispensation of existing and new generation biotechnology-based drug products. This simplified and user-friendly book will present pharmaceutics in a way that it has never been presented before and will help prepare students and pharmacists for the competitive and challenging nature of the professional market.

Additional Resources

SATURATED Definition & Meaning - Merriam-Webster

The meaning of SATURATED is full of moisture : made thoroughly wet. How to use saturated in a sentence.

SATURATED | English meaning - Cambridge Dictionary

SATURATED definition: 1. completely wet: 2. completely filled with something so that no more can be added: 3. If the.... Learn more.

SATURATED Definition & Meaning - Dictionary.com

(of a solution) containing the maximum amount of solute capable of being dissolved under given conditions. (of an organic compound) containing no double or triple bonds; having each single ...

Saturated - definition of saturated by The Free Dictionary

1. thoroughly or completely imbued, filled, or charged. 2. thoroughly soaked with moisture; wet. 3. (of colors) of maximum chroma or purity; free from admixture of white. 4. a. (of a chemical ...

SATURATE definition and meaning | Collins English Dictionary

If people or things saturate a place or object, they fill it completely so that no more can be added. In the last days before the vote, both sides are saturating the airwaves. [VERB noun] As the ...

saturated adjective - Definition, pictures, pronunciation and ...

Definition of saturated adjective from the Oxford Advanced Learner's Dictionary. [not usually before noun] completely wet synonym soaked. Saturated soil lacks air, without which plant ...

What does saturated mean? - Definitions.net

Saturated generally refers to a state where something has absorbed or incorporated the highest possible amount of another substance. It highly depends on the field it is used, for example: 1. ...

SATURATED Definition & Meaning - Merriam-Webster

The meaning of SATURATED is full of moisture : made thoroughly wet. How to use saturated in a sentence.

SATURATED | English meaning - Cambridge Dictionary

SATURATED definition: 1. completely wet: 2. completely filled with something so that no more can be added: 3. If the.... Learn more.

SATURATED Definition & Meaning - Dictionary.com

(of a solution) containing the maximum amount of solute capable of being dissolved under given conditions. (of an organic compound) containing no double or triple bonds; having each single ...

Saturated - definition of saturated by The Free Dictionary

1. thoroughly or completely imbued, filled, or charged.
2. thoroughly soaked with moisture; wet.
3. (of colors) of maximum chroma or purity; free from admixture of white.
4. a. (of a chemical ...

SATURATE definition and meaning | Collins English Dictionary

If people or things saturate a place or object, they fill it completely so that no more can be added. In the last days before the vote, both sides are saturating the airwaves. [VERB noun] As the ...

saturated adjective - Definition, pictures, pronunciation and ...

Definition of saturated adjective from the Oxford Advanced Learner's Dictionary. [not usually before noun] completely wet synonym soaked. Saturated soil lacks air, without which plant ...

What does saturated mean? - Definitions.net

Saturated generally refers to a state where something has absorbed or incorporated the highest possible amount of another substance. It highly depends on the field it is used, for example: 1. ...

[A Saturated Solution Contains](#)

A Saturated Solution Contains

Related Articles

- [a widows guide to healing](#)
- [a rose for emily setting analysis](#)
- [a solution with a ph of 50](#)

[Back to Home](#)