

Saturated Sodium Chloride Solution

The Anodic Behavior of Platinum in Saturated Sodium Chloride SolutionSaturated Sodium Chloride Solution Under an External Static Electric Field: A Molecular Dynamics Study*Project Supported by the National Basic Research Program of China (Grant No. 2013CB932804) and the National Natural Science Foundation of China (Grant Nos. 91227115, 11274319, and 11421063). Proceedings of the Society are included in v. 1-59, 1879-1937.

Polymer Science
Bulletin
Illustrated Guide to Home Chemistry Experiments

The Alkali Soils of the Yellowstone Valley
Introduction to Physical Chemistry

From the microscopic observation of infection to the widespread application of molecular techniques in taxonomy and epidemiology, to the genome sequencing of two major species and advances in biochemistry, phylogeny, and water treatment, new information on this fascinating genus continues to mount as we discover and utilize the latest scientific te

Provides information on setting up an in-home chemistry lab, covers the basics of chemistry, and offers a variety of experiments.
Handbook of Corrosion Data

Lab Manual for Zumdahl/Zumdahl's Chemistry, 9th
A Microscale Approach to Organic Laboratory Techniques
Alkali Investigations

Equilibria in the Systems. Water, Acetone and Inorganic Salts
Featuring new experiments unique to this lab textbook, as well as new and revised essays and updated techniques, this Sixth Edition provides the up-to-date coverage students need to succeed in their coursework and future careers. From biofuels, green chemistry, and nanotechnology, the book's experiments, designed to utilize microscale glassware and equipment, demonstrate the relationship between organic chemistry and everyday life, with project-and biological or health science focused experiments. As they move through the book, students will experience traditional organic reactions and syntheses, the isolation of natural products, and molecular modeling. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Build skill and confidence in the lab with the 61 experiments included in this manual. Safety is strongly emphasized throughout the lab manual. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

The Anodic Behavior of Platinum in Saturated Sodium Chloride Solution
Official Methods of Analysis

Miscellaneous Publications
Bulletin of the Johns Hopkins Hospital

Johns Hopkins Hospital Bulletin
This book makes it easy for you to find what effect environment has on the corrosion of metals and alloys. However, this volume offers information on additional environments including concrete, soil, groundwater, distilled water, sodium acetate and more. ThereAs also updated and expanded coverage of previously discussed environments as well as information on environments which deal with the dairy, food, brewing, aerospace, petrochemical and building industries. The environments are listed alphabetically. Each listing includes a general description of the conditions, a comment on the corrosion characteristics of various alloys in such a situation, a bibliography of recent articles specific to the environment, tables consolidating and comparing corrosion rates at various temperatures and concentrations for various alloys, and graphical information. Also included are summaries on the general corrosion characteristics of major metals and alloys.

This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1906 edition. Excerpt: ...of ammonium chloride containing 25 parts of the salt to 100 parts of water. The results in Table XXVIII show a maximum solubility in the neighborhood of 60. Table XXVIII.--Solubility of calcium sulphate in 20 per cent solutions of ammonium chloride. Table XXIX gives Cohn's results" recalculated to give the amount of each salt in 100 grams of water. Table XXIX.--Solubility of calcium sulphate in ammonium chloride solutions at 20 C. These results show either that the solubility has become practically constant at higher concentrations or that it has reached a maximum point and tends to fall off again. The results obtained by Ditte show no such maximum, when recalculated to give grams of each salt per liter of solution. Table XXV.--Solubility of calcium sulphate in solutions of ammonium chloride. The data published by Cameron and Brown, ' however, show a distinct maximum point at 25. Table XXXI.--Solubility of calcium sulphate in ammonium chloride solution at 25. a Saturated. Sodium Chloride. The earliest experimenter on the solubility of gypsum in common salt solutions was l)roosed. His results, given in the following table, can not be computed for comparison with any of the latter work. "Jour. prakt. Chem., 143, 43 (1887). "Jour. Phys. Chem., 9, 210 (1905). fCompt. rend., 126,694 (1898). dBer., 10,330 (1877). Table XXXII.--Solubility of calcium sulphate in solutions of sodium chloride. Tilden and Shenstone" have studied the effect of temperature upon the solubility of gypsum in salt solutions containing 20 parts of salt to 100 parts of water. Their results are given in Table XXXIII. Table XXXIII.--Solubility of calcium sulphate in solutions of sodium chloride. It will be seen from the table that the solubility drops abruptly...

**From a Preliminary Investigation of the Soils Near Billings, Montana
Evaporation of a Sodium Chloride Solution from a Saturated Porous Medium with Efflorescence Formation (salt Crystallisation)**

**Bulletin - United States. Bureau of Soils
Journal of the Chemical Society**

133 Illustrations and 252 tables make it fast and easy for you to find the information you need. This is the first definitive source of data on physical, thermal, and thermodynamic properties of foods. You can solve your problems in food processing, preservation, process design and control, product development, stability determination, and sensory analysis. With this important new book you can access both theoretical and practical data on properties measurement, discover how to apply the data to your specific problems, and make more accurate predictions.

Bound with v. 52-55, 1933-34, is the hospital's supplement: Bulletin of the Institute of the History of Medicine, Johns Hopkins University, v. 1-2.

**Experimental Organic Chemistry
Monographs on Biochemistry**

**District Laboratory Practice in Tropical Countries, Part 1
All Lab, No Lecture**

Addressing Perceptions in Chemical Education

Evaporation of saline solutions from a porous medium often leads to the precipitation of salt at the surface of the porous medium. It is commonly observed that the crystallized salt does not form everywhere at the porous medium surface but only at some specific locations. There is also more salt accumulation in one zones than in others. In this project, two experiments are going to be made to study this phenomenon. In a first experiment, efflorescence formation is considered at the surface of an homogenous porous column inside a hollow cylinder, while water from a salt solution is evaporating. The mass, the temperature and the hygrometry are measured periodically during the experiment, and photos are taken too every 10 minutes. Moreover, scanners of the sample are also done periodically. With the data obtained by the scanners and using the Matlab software, some graphics are going to be obtained which will permit us to analyse the sample as time goes by and also the characteristics of the final sample, once all the water has evaporated. In a second experiment, a comparison is going to be made between the final salt crystals formed in different samples. These samples differ between them because they have different quantities of salt solution, they are in different sample containers or they can have or not have a porous medium. All of these different samples are going to be put into an oven to completely evaporate all the water they have, and finally, different salt crystals are going to be obtained, analysed and compared between them. After doing this two experiments, some conclusions about efflorescence are going to be drawn.

Over the last decades several researchers discovered that children, pupils and even young adults develop their own understanding of "how nature really works". These pre-concepts concerning combustion, gases or conservation of mass are brought into lectures and teachers have to diagnose and to reflect on them for better instruction. In addition, there are 'school-made misconceptions' concerning equilibrium, acid-base or redox reactions which originate from inappropriate curriculum and instruction materials. The primary goal of this monograph is to help teachers at universities, colleges and schools to diagnose and 'cure' the pre-concepts. In case of the school-made misconceptions it will help to prevent them from the very beginning through reflective teaching. The volume includes detailed descriptions of class-room experiments and structural models to cure and to prevent these misconceptions.

*Journal of the American Chemical Society
Engineering Chemistry*

Bulletin Volume 33-34

Official Publication of the Infectious Diseases Society of America

Saturated Sodium Chloride Solution Under an External Static Electric Field: A Molecular Dynamics Study*Project Supported by the National Basic Research Program of China (Grant No. 2013CB932804) and the National Natural Science Foundation of China (Grant Nos. 91227115, 11274319, and 11421063).

Abstract: The behavior of saturated aqueous NaCl solutions under a constant external electric field (E) was studied by molecular dynamics (MD) simulation. Our dynamic MD simulations indicated that the irreversible nucleation process towards crystallization is accelerated by a moderate E but retarded or even prohibited under a stronger E, which can be understood by the competition between self-diffusion and drift motion. The former increases with E, thereby accelerating the nucleation process, whereas the latter pulls oppositely charged ions apart under a stronger E, thereby decelerating nucleation. Additionally, our steady-state MD simulations indicated that a first-order phase transition occurs in saturated solutions at a certain threshold E c . The magnitude of E c increases with concentration because larger clusters form more easily when the solution is more concentrated and require a stronger E to dissociate.

"Titles of chemical papers in British and foreign journals" included in Quarterly Journal, v. 1-12.

The Effect of High Sodium Chloride Concentration on Trickling Filter Slime

Misconceptions in Chemistry

The Extractive Crystallization of Sodium Chloride and Sodium Sulfate with N, N-Diethylmethylanine

Official and Tentative Methods of Analysis of the Association of Official Agricultural Chemists

The Leather Manufacturer

This new edition includes an update on HIV disease/AIDS, recently developed HIV rapid tests to diagnose HIV infection and screen donor blood, and current information on antiretroviral drugs and the laboratory monitoring of antiretroviral therapy. Information on the epidemiology and laboratory investigation of other pathogens has also been brought up to date. Several new, rapid, simple to perform immunochromatographic tests to assist in the diagnosis of infectious diseases are described, including those for brucellosis, cholera, dengue, leptospirosis, syphilis and hepatitis. Recently developed IgM antibody tests to investigate typhoid fever are also described. The new classification of salmonellae has been introduced. Details of manufacturers and suppliers now include website information and e-mail addresses. The haematology and blood transfusion chapters have been updated, including a review of haemoglobin measurement methods in consideration of the high prevalence of anaemia in developing countries. "The volume is packed with much valuable information, which is presented in a format that is readily readable. There are ample clear illustrations, tables and photographs to render the various information easy to digest. The authors have succeeded in producing a work that will fulfil an important need for developing countries. I highly recommend this book, with its Part I counterpart, to anyone with an interest in the practice of laboratory medicine." Pathology "...District Laboratory Practice in Tropical Countries sets the gold standard, and is an essential read and reference for anyone engaged in clinical laboratory practice in the tropics." Tropical Doctor Book jacket.

Cryptosporidium and Cryptosporidiosis

The Journal of Infectious Diseases

The Vegetable Proteins

Practical Organic and Bio-chemistry