



## Zeolites - the unique desiccation agent for organic liquids

By Luba Eprikashvili

LAP Lambert Academic Publishing Nov 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neeware - Desiccation or deep dehydration of liquid organic media is of great importance for modern chemical, gas and oil-refining industry. The moisture content in organic liquids decreases the operating ability and reactivity of the product. Furthermore, moisture is released on the walls of pipelines and vessels when organic liquids are supercooled that causes their corrosion. In general, moisture content in organic liquids adversely affects the qualitative characteristics of raw materials and products. Limit moisture content in the liquid medium is restrained by solubility, which decreases with decreasing the temperature. In practice, deep desiccation of liquids and gases is usually carried out by physico-chemical methods (absorption and adsorption). Deep desiccation of organic liquids may be carried out using both synthetic and natural zeolites. Desiccation by zeolites can be performed both in static and dynamic conditions in the gas and liquid phase. This book is dedicated to the research of physical and chemical processes occurring during the desiccation of solvents by zeolites. 100 pp. English.



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