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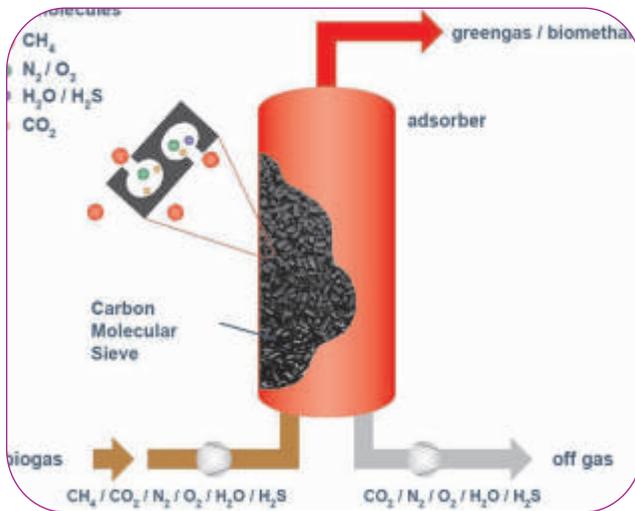
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STUDY THE APPLICATIONS OF MOLECULAR SIEVE MATERIALS IN CATALYSIS



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ABSTRACT:-

The description that accompanies astronomers has increasingly been interested in its catalytic applications. From strength, they have the ability to make their choices by adding differentiation to different cells, unit, particle size pain and larger varieties that differ from words. The largest applications are known as leolites, but with new platinum-like structures and carbon structures, it is now evolving. The use of wheat is less than the adsorbent. Mlungisi with Alumina Alumina Adsorbents are silicate is zeolite. The unique structure makes it possible to remove the crystallization of water, which usually does not leave any crystal structure. This opening we grow in the hole, the room must be, or with water or the closest closest to absorbing Cras cells.

KEYWORDS: zeolite, cell size, adsorbent, growth resistance on leaves or NJLL.

INTRODUCTION :

In recent years, interest has increased the apparatus and at a small point in the catalysis of materials that you can distinguish between different types of mul- tiples due to its structure. These materials, often cited as traces, included a small

volume internally, whose width is proportional to the cross-sectional stream of molecules such as azo, carbon dioxide and normal temperatures, while temperatures are at temperatures of three - And tetraalkyl English are too open to facilitate access to the internal structure allowing pores. Selective certification has been the result of significant diffusion steric in the porous mediator and differs from selective assault as a result of a specific chemical reactions. The application of the sinusoidal traces today was made with the use of zeolites (aluminosilicates temperature) on topics such as the Steuern and Sanguie Vivo (I) purification. The inherent capacitance of zeolite to assert will assure molecules that enter the structure of an ideal nutty pig to erase pollutants that emit female gas. , Some common types of molecular tamarazzi and typical techniques are: Type 3A, Type 4A. Activité 5A, tip 13X, pentasil, mordenite type 3a is used for drying natural gas, ethanol and particular monomers such as olefins and so on. The 3A type is fired in a potassium exchange mode in the 4A type instead of sodium. Type 13X Effects impurities that are too big to penetrate into the activity The zealites, and are also often used to clear acidic acids, to produce an oxygen oxygen high purity. Pentasil is also known by zeolite MFI or ZSM-5.

REVIER OF LITERATURE;-

Performing actions in the form of chemical or molecular sieves selective for the molecular understanding of the use of food catalysts for the first time in 1960 with Weisz and further work carefully, not only showed the face of a catalytically active, Through which pores of molecular size pass through, accessible or bulk volume of sample reactions can be performed. For example, catalytically 1-butene 5A containing platinum in one direction because of the large molecular size of the original cataclastic round was

unable to selectively reach the micropores containing isobutene, a reagent rendered hydrogenated. Walker and his colleagues and all the other carbon molecular sieves provided. two carbon atoms of the catalyst as carriers, if the need to provide some with the advantage of a molecular sieve of carbon, the preparation (CMS), the zeolites should be studied, the support should be studied. Cooper and Argentina's recent CMS platinum described by the process in the preparation of catalysts, and a signal flow for a few Selleck group is performed.

MATERIAL AND METHOD:- the use of molecular sieves in industry as follows

The use of industrial agrochemicals, natural gas, propane, butane and natural gas, as well as removal of CO₂, such as natural gas engineering, hybrids, H₂S, Almerethane, natural gas, natural gas and Another impersonal use of Buail.althani is an important application that uses both cameras or chances to put pressure on absorber such as hydrogen production, drying, treatment H₂. Basic Thialso in Chemicals and Removal, as well as gas Rift cookies for polyolefin, ethylene, propylene production, drought and nutrition purification and drying olefins gas *poooooef œeo* production of ammonia, ammonia treatment before gas reformer Feeding, drying and purifying the process of refining, gas such as Avv gas, polyolefin fodder feed (oxygen, quality balance). The third, most important part of the British gas industry Mnkhalat and absorbed as adsorption lipid pressure (PSA) or adsorption luid vacuum (Vasa) Ziulietat is used to supplement the oxygen-purer gas-free purity of its airborne recovery. The process of getting Aloizumrh with purifying such a feed to feed a Damrizatyon unit is one of the four important applications of vegetable oils. and the use of chemicals used as a test tube to breathe. And benzene ethyl, such as rivers and lead-based processes, such as ethanol Lacewell use cleaner with a kellone.

CONCLUSION

Porous solids have long been a means of efficiently distributing costly catalytic components such as platinum and other precious metals. Thus, the surface volume ratio of the catalytic metal can be maximized to maximize the use of the metal in the catalytic reaction. Some other important advantages are often claimed for supported catalysts, such as the inherent chemical superiority of the catalyst catalyst (7) and the dual role of both the catalyst and the support obtained, for example, using platinum on acidic alumina for (8). On the other hand, the use of a porous support for the distribution of a catalytic metal is not without its disadvantages. The chemical composition of the carrier influences not only the properties of the catalyst but also its physical structure. The different stages of the catalytic reaction on a solid surface are considered as follows:

- (i) diffusion of the reactants into the active site;
- (ii) Adsorption on the catalyst, reaction
- (iii) diffusion of products and desorption of products; Catalyst.

Thus, it is clear that when the active region is deposited in the porous structure, steps (i) and (iii) are of great importance since the reactants and products must have long and tortuous pathways to the active site.

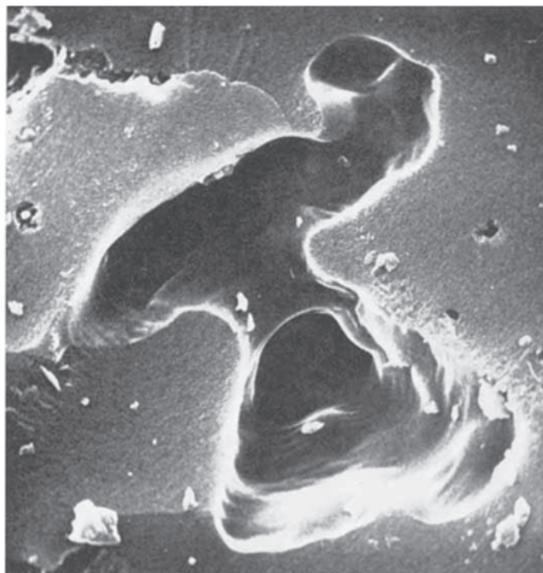


Fig. 1 Pores of n Pt/CMS catalyst (x 6400). Large pore diameter approx. 3 μ m. Small pore diameter approx. 0.5 μ m.

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