

Title (en)  
Zeolite as a detergent aid.

Title (de)  
Zeolith als Reinigungshilfsmittel.

Title (fr)  
Zeolite comme auxiliaire de détergence.

Publication  
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Application  
**EP 83401175 A 19830609**

Priority  
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Abstract (en)  
[origin: US4519933A] Type A, especially type 4A zeolites are well adapted as detergent builders, said zeolites comprising (i) primary particles having a mean particle diameter ranging from 0.1 to 10  $\mu$ , (ii) a cation exchange capacity in excess of about 100 mg CaCO<sub>3</sub>/g of anhydrous material, and (iii) a rate constant, relative to the surface area of the zeolite per liter of wash solution, in excess of about 0.15 s<sup>-1</sup> l m<sup>-2</sup>. The builders are prepared by first determining the value of the rate constant for a given zeolite sample. Since a higher rate constant value corresponds to a lower degree of salt incrustation on fabrics, only those zeolites having a value above the predetermined minimum will be incorporated into detergents. Thus, zeolites otherwise appearing identical can be differentiated, with only those not causing high levels of incrustation being selected.

Abstract (fr)  
La présente invention a trait à un Zéolite comme auxiliaire de détergence de type A, notamment 4 A. Elle caractérisée par le fait qu'elle présente: - un diamètre moyen des particules primaires compris entre 0,1 et 10 $\mu$ . - un pouvoir d'échange de cations supérieur à 100 mg CaCO<sub>3</sub>/g de produit anhydre, - une constante de vitesse, rapportée à la surface de la zéolite par litre de solution supérieure à 0,15 s<sup>-1</sup> l m<sup>-2</sup> et de préférence supérieure à 0,25 s<sup>-1</sup> l m<sup>-2</sup>. Elle s'applique dans les formules lessiviellles.

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