

Title (en)  
ZEOLITE AS A DETERGENT AID

Publication  
**EP 0098187 B1 19860827 (FR)**

Application  
**EP 83401175 A 19830609**

Priority  
FR 8210638 A 19820618

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  $\text{CaCO}_3/\text{g}$  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  $\text{s}^{-1} \text{lm}^{-2}$ . 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.

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IPC 8 full level  
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