

Title (en)
ZINC ALUMINATE WITH HIGH SPECIFIC SURFACE AREA, PREPARATION METHOD AND USE FOR TREATING MOTOR VEHICLE EXHAUST GASES

Title (de)
ZINKALUMINAT MIT HOHER SPEZIFISCHER OBERFLÄCHE, DESSEN HERSTELLUNG UND DESSEN VERWENDUNG IN AUTOABGASBEHANDLUNG

Title (fr)
ALUMINATE DE ZINC A SURFACE SPECIFIQUE ELEVES, SON PROCEDE DE PREPARATION ET SON UTILISATION DANS LE TRAITEMENT D'AUTOMOBILE

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Abstract (en)
[origin: FR2779071A1] The invention concerns a zinc aluminate characterised in that it has, after calcination at 800 DEG C for 8 hours, a specific surface area of at least 85m<2>/g. The invention also concerns a precursor composition of said aluminate. The method for preparing the aluminate and the composition comprises the following steps: contacting in a solvent medium a salt, a zinc sol or alkoxide and an aluminium alkoxide; hydrolyzing the resulting mixture by adding an amount of water in excess relative to the aluminium alkoxide; recuperating the formed precipitate and optionally drying it, thereby obtaining the precursor composition; if required, calcining said precipitate, thereby obtaining the aluminate. Finally, the invention concerns the use of aluminate for treating motor vehicle exhaust gases.

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