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(54) Title: MOLECULAR SIEVE COMPOSITIONS, CATALYST THEREOF, THEIR MAKING AND USE IN CONVERSION PROCESSES

(57) Abstract: The invention relates to a catalyst composition, a method of making the same and its use in the conversion of a feedstock, preferably an oxygenated feedstock, into one or more olefin(s), preferably ethylene and/or propylene. The catalyst composition comprises a molecular sieve and at least one metal oxide, such as magnesium oxide that, when saturated with acetone and contacted with said acetone for 1 hour at 25 °C, converts more than 80 % of the acetone.