

CLAIMS

1. A catalyst composition comprising
 - (a) a carrier comprising (i) CON type zeolite in an amount in the range of from 5 to 95 wt%, based on total weight of carrier, (ii) ZSM-5 type zeolite in an amount of from 5 to 95 wt%, based on total weight of carrier; and (iii) an inorganic binder in an amount in the range of from 10 to 60 wt%, based on total weight of carrier; and
 - (b) of from 0.001 to 10 wt% one or more metals selected from the group consisting of Groups 6-11 of the IUPAC Periodic Table of Elements.
2. A catalyst composition according to claim 1 in which the carrier comprises CON type zeolite in an amount in the range of from 20 to 90 wt%, based on total weight of carrier.
3. A catalyst composition according to claim 1 in which the carrier comprises ZSM-5 type zeolite in an amount of from 10 to 70 wt%, based on total weight of carrier.
4. A catalyst composition according to claim 1 in which the catalyst composition comprises molybdenum in an amount in the range of from 1 to 10 wt%, as metal based on total weight of catalyst.
5. A catalyst composition according to claim 1, wherein the ZSM-5 type zeolite has a silica to alumina molar ratio in the range of from 15 to 35.
6. A catalyst composition according to claim 1, wherein the ZSM-5 type zeolite has a number average crystal size in the range of from 50 to 200 nm.
7. A process for preparing the catalyst composition according to any one of claims 1-6, comprising the steps of:
 - (a) mixing the CON type zeolite, ZSM-5 type zeolite and inorganic binder and extruding the mixture obtained,
 - (b) optionally subjecting the extrudates obtained in step (a) to a heat treatment,
 - (c) impregnating the calcined extrudates with a solution comprising one or more metals selected from the group consisting of Group 6-11 of the IUPAC Periodic Table of Elements, and
 - (d) optionally subjecting the impregnated extrudates obtained in step (c) to a heat treatment.

8. Process for the conversion of a feedstock containing alkylaromatic hydrocarbons using a catalyst according to any one of claims 1-6 or prepared by a process according to claim 7.
9. Process according to claim 8 wherein the feedstock comprises toluene and alkylaromatic compounds containing at least 9 carbon atoms in a weight ratio of from 10:90 to 90:10.
10. The process according to claim 8, wherein the feedstock comprises of from 35 to 75 wt% of toluene and of from 25 to 65 wt% of alkylaromatic compounds containing at least 9 carbon atoms.