

ABSTRACT

A new family of aluminosilicate zeolites designated UZM-44 has been synthesized. These zeolites are represented by the empirical formula. $\text{Na}_n\text{M}_m^{k+}\text{T}_t\text{Al}_{1-x}\text{E}_x\text{Si}_y\text{O}_z$ where "n" is the mole ratio of Na to (Al + E), M represents a metal or metals from zinc, Group 1, Group 2, Group 3 and or the lanthanide series of the periodic table, "m" is the mole ratio of M to (Al + E), "k" is the average charge of the metal or metals M, T is the organic structure directing agent or agents, and E is a framework element such as gallium. UZM-44 may be used to catalyze an aromatic transformation process by contacting a feed comprising at least a first aromatic with UZM-44 at hydrocarbon conversion conditions to produce at least a second aromatic.

[Figure 1]