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(54) Title: ISOMERIZATION AND DISPROPORTIONATION CATALYST COMPOSITION

(57) Abstract: For use in a disproportionation reactor, a composition being an alumina based catalyst having less than about 12 wt% of a Group VI metal and from about 0 to about 10 wt % of a Group 14 metal. In some embodiments, the composition has the following characteristics: a pore volume in pores of greater than 350Å pore diameter of less than 10% of Total Pore Volume; a median pore diameter by volume ranging from about 55 to about 95 Å; a water pore volume ranging from about 0.5 to about 1.0 cc/g; a surface area of greater than 200 m²/g. In some embodiments, the Group 14 metal is silicon. In some embodiments, the amount of silicon ranges from about 1.0 to about 5.0 wt%. In some embodiments, the Group 6 metal is molybdenum. In some embodiments, the amount of molybdenum ranges from about 2 to about 10 wt%.



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