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(54) Title: REDUCTION OF ORGANIC HALIDES IN ALKYLATE GASOLINE

(57) Abstract: An alkylation process comprising contacting a first hydrocarbon feed comprising at least one olefin having from 2 to 6 carbon atoms and a second hydrocarbon feed comprising at least one isoparaffin having from 3 to 6 carbon atoms with a halide-based acidic ionic liquid catalyst under alkylation conditions to produce an alkylate containing an organic halide and contacting at least a portion of the alkylate with a hydrotreating catalyst in the presence of hydrogen under hydrotreating conditions to reduce the concentration of the organic halide is disclosed.



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