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(54) Title: PHOSPHOROUS REMOVAL AND DIENE REMOVAL, WHEN USING DIENE SENSITIVE CATALYST, DURING
CONVERSION OF OLEFINS TO BRANCHED PRIMARY ALCOHOLS

(57) Abstract: A process for making a selectively branched alcohol composition contacting a lower olefin feed comprising linear
olefins having at least 3 carbon atoms and a concentration of phosphorous-containing compounds with a sorbent comprising a metal
or metal oxide on a support, thereby substantially reducing the concentration of phosphorous-containing compounds and producing a
purified lower olefin feed. The purified lower olefin feed is skeletally isomerized and may then be treated to selectively hydrogenate
dienes before hydroformylation to produce selectively branched alcohols.

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