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(54) Title: INTEGRATED PROCESS TO PRODUCE DERIVATIVES OF BUTADIENE ADDITION PRODUCTS

(57) Abstract: An integrated chemical process to form derivatives of butadiene addition products comprises forming an addition product of butadiene and a selected carboxylic acid, alcohol, or glycol, to form a reaction mixture containing at least a crotyl addition product and a sec-butenyl addition product; separating the reaction product mixture into streams comprising a crotyl product stream, a sec-butenyl product stream, and at least one stream containing other reacted and unreacted products; controlling the proportion of the product streams, preferably by recycling a portion or all of a separated crotyl product stream and/or a sec-butenyl product stream and other product streams to the addition reactor; subjecting one or more separated product streams to one or more process selected from hydrolysis, hydrogenation, and isomerization to form product derivatives in preselected proportions; and recovering one or more resulting product derivatives.



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