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(54) **Title:** INTEGRATED PROCESS FOR THE PRODUCTION OF ACRYLIC ACIDS AND ACRYLATES

(57) **Abstract:** The invention relates to a process for producing an acrylate product comprising the step of reacting a reaction gas mixture A comprising methanol and oxygen to form a product gas mixture A. The process may further comprise the step of combining at least a portion of the product gas mixture A and acetic acid to form a reaction gas mixture B. The process may further comprise the step of reacting at least a portion of the acetic acid in the reaction gas input mixture B with at least a portion of the formaldehyde in the reaction gas input mixture B to form a product gas mixture B. The process may further comprise the step of separating at least a portion of the product gas mixture B to form an alkylenating agent stream comprising at least 1 wt% alkylenating agent and an intermediate acrylate product stream comprising acrylate product.

