

The invention describes an integrated process for the production of vinyl acetate which comprises the steps of: (a) contacting in a first reaction zone a gaseous feedstock comprising essentially ethane with a molecular oxygen-containing gas in the presence of a catalyst to produce a first product stream comprising acetic acid and ethylene; (b) contacting in a second reaction zone the first gaseous product stream with a molecular oxygen-containing gas in the presence of a catalyst to produce a second product stream comprising vinyl acetate; (c) separating the product stream from step (b) and recovering vinyl acetate from the product stream from step (b).

