in the presence of a catalyst,

wherein the dehydrated source of formaldehyde is obtained by contacting a water containing source of formaldehyde with a zeolite membrane in a manner effective to separate at least part of the water from the water containing source of formaldehyde to produce the said dehydrated source of formaldehyde, wherein the water containing source of formaldehyde further comprises a separation enhancer having a relative static permittivity of between 2.5 and 20 at 20 °C and atmospheric pressure.

~~12. The method for producing an ethylenically unsaturated carboxylic ester according to claim 11, wherein the water containing source of formaldehyde further comprises a separation enhancer having a relative static permittivity of between 2.5 and 20 at 20°C and atmospheric pressure.~~

~~13~~12. The method for producing an ethylenically unsaturated carboxylic acid ester according to claim ~~12~~11 comprising: combining a water containing source of the separation enhancer with the water containing source of formaldehyde to produce a combined source, and dehydrating the combined source in accordance with the method for dehydrating the water containing source of formaldehyde according to claims 1 to ~~11~~10 to provide a dehydrated source of formaldehyde which contains the separation enhancer.

~~14~~13. The method for producing an ethylenically unsaturated carboxylic acid ester according to any one of claims 11 or 12~~12 or 13~~, wherein the separation enhancer is carboxylic acid ester.

~~15~~14. The method for producing an ethylenically unsaturated carboxylic acid ester according to any one of claims 11 to ~~14~~13, wherein the water containing source of formaldehyde further contains methanol.

~~16~~15. The method for producing an ethylenically unsaturated carboxylic acid ester according to any one of claims 12 to ~~14~~13 to ~~15~~, wherein the water containing source of the separation enhancer further contains methanol in addition to separation enhancer.

~~17~~16. The method for producing an ethylenically unsaturated carboxylic acid ester according to any one of claims 11 to ~~16~~15, wherein the ethylenically unsaturated acid ester is selected from the group consisting of methyl methacrylate and methyl acrylate.