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(54) Title: METHOD OF CONTROLLING THE PRODUCTION OF SILVER CHLORIDE ON A SILVER CATALYST IN THE PRODUCTION OF ALKYLENE OXIDES

(57) Abstract: A plant and process for producing alkylene oxides to control the production of silver chloride on a high efficiency silver catalyst is disclosed and described. The process involves reacting an alkylene and an organic chloride gas phase promoter with oxygen over the high efficiency silver catalyst. The sulfur concentration in the alkylene oxide reactor feed is controlled to reduce the production of silver chloride which acts as a catalyst poison.



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