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(54) Title: PROTECTION OF SOLID ACID CATALYSTS FROM DAMAGE BY VOLATILE SPECIES

(57) Abstract: The invention provides a method to avoid catalyst damage and achieve longer catalyst life by selecting appropriate materials for reactor spacers, liners, catalyst binders, and supports, in particular, by not using crystalline silica-containing and high phosphorus-containing materials, if the presence of even small amount of steam is anticipated. In addition, alkali metals and alkaline earth metals are avoided due to potential damage to the catalyst.



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