



DESTRUCTION OF VOLATILE ORGANIC COMPOUNDS BY CATALYTIC OXIDATION

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Abstract

Volatile organic compounds, emitted by a lot of sources, particularly from gasoline engines of automobiles, are air pollutants that give rise to deleterious health and environmental effects. Total catalytic oxidation is an attractive method in controlling these emissions due the great amounts of energy saved, by the moderate temperature involved. For wide implementation of catalytic combustion, thermally, mechanically and chemically stable catalysts are required. The paper is a short reviewing of the available catalysts and also of the new innovations concerning either enhance of their performances or new better formulations.

Keywords: volatile organic compounds, catalytic oxidation, catalyst life

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