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PROCESS FOR PRODUCTION OF UNSATURATED ALDEHYDE AND
UNSATURATED CARBOXYLIC ACID

Abstract

----- Disclosed-are a process for producing an
5 unsaturated aldehyde and an unsaturated carboxylic acid
which comprises subjecting propylene, isobutylene or
tertiary butanol to gas phase catalytic oxidation with
molecular oxygen in the presence of (i) a catalyst
comprising composite oxide of the formula
10 $\text{Mo}_a\text{Bi}_b\text{Fe}_c\text{A}_d\text{B}_e\text{C}_f\text{D}_g\text{O}_x$ and (ii) a molybdenum oxide which in
itself is substantially inert to the gas phase catalytic
oxidation; a process for reusing the catalyst
deteriorated due to the gas phase catalytic oxidation
after mixing it with the molybdenum oxide; and a method
15 of regenerating the deteriorated catalyst by mixing it
with the molybdenum oxide.

This Sheet Has Been Replaced

