

# **THE ADVANCES IN PROCESSES AND CATALYSTS FOR THE PRODUCTION OF METHYL FORMATE BY METHANOL CARBONYLATION – A REVIEW**

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## **ABSTRACT**

Synthesis of methyl formate from six varieties of routes from different feed stocks is discussed. The commercial processes presently available for carbonylation of methanol to methyl formate using homogeneous catalyst (potassium methoxide /sodium methoxide) are summarized. This review also covers the advances in process technologies and research development to improve the efficiency of both homogeneous and heterogeneous catalysts for carbonylation of methanol to methyl formate.

**KEYWORDS:** Methyl Formate, Methanol Carbonylation, Homogeneous Catalyst, Heterogeneous Catalyst, Anion Exchange Resins