



G00002

33

THE SYNTHESIS OF OLEOCHEMICALS WITH MULTI-FUNCTIONAL GROUPS, THE OLEOCHEMICALS AND THEIR USES

ABSTRACT

This invention provides a synthesis of oleochemicals with multi-functional groups, the oleochemicals and their uses as a coupling agents in polymer industry, especially plastic such as polyvinyl chloride (PVC). The synthesis involves a three-step process which is subjected to a number of conditions. The oleochemicals can be alkyl diisopropyl diphosphates (ADDP) which is an ester which contain a hydroxyl group and alkoxy groups of different number of carbons. The oleochemicals can be utilised to modify the surface of fillers such as calcium carbonate (CaCO_3) prior to the formulating of the polymer.

102102

