

Dialkyl terephthalates and their use

Abstract:

The present invention relates to plasticizers containing dialkyl terephthalates which are characterized in that the alkyl radicals have a longest carbon chain of at least 4 carbon atoms and have a total number of carbon atoms per alkyl radical of 5. The present invention likewise relates to a process for preparing such dialkyl terephthalates and also to their use. The invention further relates to corresponding compositions containing a plasticizer and a polymer selected from PVC, PVB, PAMA or homopolymers or copolymers based on ethylene, propylene, butadiene, vinyl acetate, glycidyl acrylate, glycidyl methacrylate, methacrylates, acrylates, acrylates in which attached to the oxygen atom of the ester group there are alkyl radicals of branched or unbranched alcohols having from one to ten carbon atoms, or styrene, acrylonitrile or cyclic olefins, said compositions being characterized in that the composition contains as plasticizer a dialkyl terephthalate in which the alkyl radicals have a longest carbon chain of at least 4 carbon atoms and have a total number of carbon atoms per alkyl radical of from 4 to 5.

Figure : 1