

**METHOD OF RECYCLING PHASE
TRANSFER CATALYST FOR
DISPLACEMENT REACTIONS**

Abstract

Quaternary salts, employed as phase transfer catalysts in reactions of salts of dihydroxyaromatic compounds with substituted aromatic compounds such as halo- or nitro-phthalimides in non-polar solvents such as toluene, are recovered by washing the solution with
5 water or aqueous base and extracting the wash liquids with a chlorinated alkane such as methylene chloride. It is often preferred to contact the extracts with an aqueous alkali metal bromide solution prior to recovery of the quaternary salt, thus converting all anion in said salt to bromide.

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