

PROCESS FOR PRODUCING DIARYL CARBONATE

ABSTRACT OF THE DISCLOSURE

A high purity diaryl carbonate is produced with a high efficiency by reacting carbon monoxide with an alkyl nitrite and/or an alkyl alcohol; reacting the resultant dialkyl oxalate with a hydroxyaryl compound, for example, phenol; decarbonylating the resultant diaryl oxalate to produce a diaryl carbonate and carbon monoxide; and collecting the diaryl carbonate from the decarbonylation reaction product mixture, the carbon monoxide produced in the decarbonylation step being optionally reused for the production of the dialkyl oxalate.

(Figure 1)