

Title (en)

DEHYDROCHLORINATION OF CHLORINATED REACTANTS TO PRODUCE 1,1,1,4,4,4-HEXAFLUORO-2-BUTYNE

Title (de)

DEHYDROCHLORIERUNG VON CHLORIERTEN REAGENZIEN ZUR HERSTELLUNG VON 1,1,1,4,4,4-HEXAFLUOR-2-BUTYN

Title (fr)

DÉSHYDROCHLORATION DE RÉACTIFS CHLORÉS POUR PRODUIRE LE 1,1,1,4,4,4-HEXAFLUORO-2-BUTYNE

Publication

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Application

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Abstract (en)

[origin: WO2014052695A1] Disclosed is a process for producing hexafluoro-2-butyne comprising, reacting HCFC-336 with an aqueous solution of an alkali metal hydroxide in the presence of a quaternary alkylammonium salt which comprises at least one alkyl group of at least 8 carbons, and recovering the hexafluoro-2-butyne, wherein the conversion of dichloro-1,1,1,4,4,4-hexafluorobutane is at least 50% per hour. Also disclosed is a process for producing hexafluoro-2-butyne comprising, reacting HCFC-336 with an aqueous solution of an alkali metal hydroxide in the presence of a quaternary alkylammonium salt having alkyl groups of from four to ten carbon atoms, and mixtures thereof, and a non-ionic surfactant, and recovering the hexafluoro-2-butyne, and wherein the conversion of dichloro-1,1,1,4,4,4-hexafluorobutane to hexafluoro-2-butyne is at least 20% per hour.

IPC 8 full level

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