

PRODUCTION METHOD OF 1,3-BUTADIENE

ABSTRACT

A production method of butadiene that enables deposition of by-products, and clogging of the cooling tower and pipe to be inhibited, whereby a continuous operation can be stably performed. A production method of 1,3-butadiene which includes the steps of: obtaining a product gas containing 1,3-butadiene by an oxidative dehydrogenation reaction of a raw material gas containing n-butene with a gas containing molecular oxygen in the presence of a metal oxide catalyst; and cooling the product gas, wherein in the cooling step, a cooling solvent containing an organic solvent and an aqueous alkali metal compound solution is brought into contact with the gas.

[Fig. 1]