

ABSTRACT

This catalyst for liquefied petroleum gas synthesis includes a Cu-Zn based catalytic material and an MFI type zeolite catalytic material supporting Pt, the Cu-Zn based catalytic material containing copper oxide, zinc oxide, aluminium oxide, and zirconium oxide, a mass ($M(\text{ZrO}_2)$) of zirconium oxide in the Cu-Zn based catalytic material being more than 0 mass% and 6.5 mass% or less based on a mass (M_1) of the Cu-Zn based catalytic material, and the MFI type zeolite catalyst material containing more than 0 mass% and less than 4.5 mass% of P.