

PROCESS FOR PRESULFURIZING A DESULFURIZATION
CATALYST USED IN A HYDRODESULFURIZATION UNIT OF PETROLEUM
REFINERY AND PRESULFURIZATION PROMOTER

Abstract of the Disclosure

Presulfurizing process and presulfurization promoter for a desulfurization catalyst to be used in a hydrodesulfurization unit of petroleum refinery of high molecular hydrocarbons, in which fresh metal oxide in said desulfurization catalyst is sulfurized with hydrogen sulfide produced from sulfur-containing compounds in a feed stream. In the invention, a compound having mercapto alkylthio group: $\text{HS}-\text{C}_m\text{H}_{2m}-\text{S}-$ (in which "m" is an integer of 2 to 4) is added as promoter at a proportion of 10 ppm to 0.5% by weight and presulfurization is promoted at 180 to 260 °C.

Figure 1

