

MERCURY ADSORBENT

Abstract of the Disclosure

Activated carbon based adsorbent carrying acid for eliminating mercury or mercury compounds contained in hydrocarbons and preferably the activated carbon base is provided with micropore volume having radii less than 8 angstroms at more than 80 ml/g and preferably the acid carried on the activated carbon is hydrochloric acid, sulfuric acid, or phosphoric acid, and hydrochloric acid is the most preferable. The active carbon base is preferably manufactured by activating a carbonaceous material in condition comprising water vapor at less than 30 vol. %. The subject adsorbent is applicable to eliminate mercury or mercury compounds contained in hydrocarbons by contacting in liquid phase. The hydrocarbons are naphtha and intermediates of oil products or petrochemical products. This method features scarce desorption of carried acid and is useful to treat such hydrocarbons to prevent possible harmful amalgamation due to mercury in oil industry.

This Sheet Has Been Replaced

