

A method for complex utilization of nitro-acid oxidants of liquid rocket fuel with obtaining nitrates of mono- and polyatomic alcohols relates to the field of chemical processes. For a complex utilization of nitro-acid oxidants the known process for reprocessing solutions of nitric acid and nitrogen oxides containing hydrofluor and orthophosphoric acid and consisting in regeneration thereof by method of rectification with obtaining aqueous solution of nitric acid with admixtures of orthophosphoric acid and conditioned nitroleum or 90-95 % of HNO_3 , iodine-containing mélanges and amyl are utilized; in rectification 90-99.5 % of HNO_3 is obtained and which is used for nitration of polyatomic alcohols $\text{R}(\text{OH})_x$, nitration products - HNO_3 ethers are filtered, pressed and/or washed with water and further stabilized with known processes, and combined filtrates containing used 84-90 % of HNO_3 are mixed with concentrated sulphuric acid so that content of H_2SO_4 in nitrating mixture is equal to 45 - 85 % and FNA=65-95, nitrating mixture is used for nitration of alcohols $\text{R}^1(\text{OH})_y$, obtained nitrates and ethers are washed with water, soda solution, stabilized with known methods.