

A method for producing the high-octane oxygen-containing additive to gasolines involves heating mash, distillation thereof and concentration of an aqueous-alcoholic solution by rectification, overheating the obtained vapor of concentrated aqueous-alcoholic solution and dehydration thereof by adsorption with use of molecular sieves and subsequent regeneration thereof with repeated reprocessing the recycle, at that 40-70 % of vapor of concentrated aqueous-alcoholic solution is partially condensed and directed as phlegm to the stage of rectification, and remaining vapor is directed directly for overheating and dehydration, and recycle obtained in regeneration by desorption of molecular sieves is directed for repeated reprocessing by rectification at the stage of mash distillation .