

Mechanical activation of co-crystallization of some nitro compounds

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Abstract

Results of researches of physical and chemical properties of co-crystals obtained by mechanical activation, in comparison with the data for co-crystals, obtained from solutions and melts are presented in the article. The wide nomenclature of nitrocompounds – trinitrotoluene, trinitrobenzole, HMX, HNIW, *N,N*-dimethylmethylenedinitramine is considered. High efficiency of mechanical activation, as the method of obtaining co-crystals, in comparison with the production methods from solution and melt is shown.