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**Influence of Molybdenum and Boron Oxides on Combustion  
in the Mo-B Gasless System**

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**ABSTRACT**

Combustion laws in the Mo-B and Mo-B-MoO<sub>3</sub>(B<sub>2</sub>O<sub>3</sub>) systems, as well as phase and microstructure formation have been studied depending on the ratio of components in the initial charge and on the quantity of oxide additives. Based on experimental results obtained and detailed thermodynamic analysis, a possible mechanism on combustion wave propagation in the Mo-B system is suggested, according to which boron oxides are predominant in the mass exchange.