## The Interactions between Ta-Nb Ferroalloys and Sulfate-carbonate Melts

V. Chumarev, S. Krasikov, M. Timofeev, O. Savushkina<sup>a</sup>, and V. Maryevich Institute of Metallurgy, Ural Division of Russian Academy of Sciences, 101 Amundsen Str., Ekaterinburg, 620016, Russia
<sup>a</sup> Metallurgical Department. Ural State Technical University, 19 Mira Str., Ekaterinburg, 620002, Russia

Reprint requests to Dr. S. K.; Fax: +7 (3432) 286130; E-mail: pcmlab@sky.ru

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The reactions of pure metals Ta, Nb, V, Fe, Si, etc. and Ta-Nb-containing ferroalloys with sodium (calcium) sulfate (carbonate) melts are characterized by large exothermic effects and formation of solid, liquid and gaseous products. The liquid phases formed reduce diffusion restrictions and result in catastrophically large rates of metal oxidation.

Key words: Oxidation; Component; Sulfate; Melt.