

RESOURCES OF CHRYSOLITE IN RUSSIA

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At the recent time on Russia territory it is known around fifty deposits of jewelry olivine. They situate in Karelian-Kolsky region, Urals and Syberia. Industrial chrisolite objects are represented by two genetic classes (magmatic, hydrothermal-metasomatic) and associate with rocks of following magmatic formations: alkaline and olivine basalts, alkaline hyperbasites, kimberlites, ofiolites. Majority of them have an indigenious bed, only 0.6% from general amount fall to the share of alluvial deposits. Also chrysolite deposits are known in rocks of andesite-basaltic and peridotite-pyroxenite-noritic formations, but it is no industrial mineralization there in Russia.

Estimation of chrisolite raw resources made in Siberia and Far East regions only. More over, the most part of reserves take seats in East Siberia, while prognoses resources concentrate in South Siberia and Far East regions. Perspectives of increase in sources of raw chrisolite in Russia connect with mentioned territories.