

# Role of Chlorine Metallurgy in Extraction of Metal Values from Minerals and Wastes

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## Abstract

Chlorine and chlorides can play a major role to win metal values from various grades of ores and minerals as well as from the industrial and domestic wastes due to their some special chemical and physical properties, easy availability, low cost and comparatively operational simplicity. The important chlorinating agents are gaseous chlorine, hydrochloric acid, alkali and alkaline chlorides and some other metal chlorides like iron and copper chlorides. In this paper, an account of some typical processes for extracting metal values from mineral and wastes through various chlorination processes, have been described and discussed. Some of the R & D work carried out by the author and co-workers in the area of Chlorine Metallurgy have been incorporated.

**Keywords:** Chlorine Metallurgy, Chlorinating agents, minerals, metal chlorides, metal extraction, wastes, recovery of metals