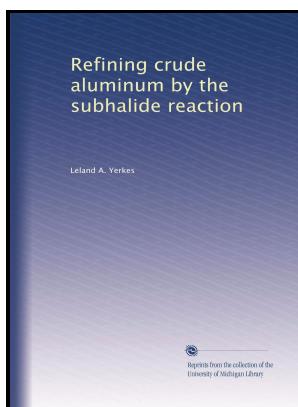


Refining Crude Aluminum by the Subhalide Reaction.

s.n - Oil Refining



Description: -

-Refining Crude Aluminum by the Subhalide Reaction.

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Imperializm-sobytiia, fakty, dokumenty (Uridicheskaiä literatura (Firm))

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Notes: 1

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Petroleum Refining

AlCl₃ may be condensed by absorbing in a molten salt bath containing at least 50 mole per cent AlCl₃ with Na, K, Ni, Pb, Cr, Fe II or Co chlorides.

Petroleum Refining

Luo, JOM 68, 2371 2015. The enriched salt may be returned via 60 to the condenser, or passed via heat exchanger 41 to evaporator 45 having graphite or metal electrodes for passage of heating current, from which vaporized AlCl₃ returns via heater 26 to the converter, and the lean salt passes through cooler 52 and filter 56 to the condenser. For these reasons, and since the basic functioning and conditions of the rectifying system with such vapor mixtures will be readily apparent in view of the known principles of rectifying operations, specific exemplifications seems unnecessary here, but examples are given below, to illustrate the novel feature of heat supply by the exothermic chlorine-aluminum reaction, i.

Fundamentals of thermochemical reduction of TiCl₄

Although the outlet pipe 55 of the cooler can, if desired, run directly to the condenser-absorber 30 for return of the cooled liquid molten salt, it is at present preferred, as in the embodiments shown, to carry the liquid from the pipe 55 into and through an appropriate filter 56 or strainer or the like, from which the liquid then goes back to the second section 34 of the absorber through pipe 57. Myrick filed Critical James J. In the processes, aluminum subchloride gas, preferably aluminum monochloride, AlCl₃ g, although some aluminum dichloride may also be present, is used as a vapor-phase reducing agent for titanium chloride e.

A Review of Slag Refining of Crude Silicon

Due to the variable content of phospholipids in crude oils, analysis of phosphorus prior to acid treatment is necessary to ensure that the acid dosage is correct, especially when the content of Ca and Mg salts is high. A preferred example of the overall process manufacturing TiAl is illustrated in the flow diagram of FIG.

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