

Title (en)  
FLOTATION REAGENT FOR IRON ORES CONTAINING MAGNETITE AND/OR HAEMATITE

Title (de)  
FLOTATIONSREAGENZ FÜR MAGNETIT- UND/ODER HÄMATITHALTIGE EISENERZE

Title (fr)  
RÉACTIF DE FLOTTATION POUR MINÉRAIS DE FER CONTENANT DE LA MAGNÉTITE ET/OU DE L'HÉMATITE

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Abstract (en)  
[origin: WO2011088963A1] The present invention relates to a flotation reagent for iron ores containing magnetite and/or haematite and to the use of a composition containing A) at least one amine alkoxylate ester of formula (I) or a salt thereof, wherein A and B, independently of one another, represent a C2-C5 alkylene radical, R1 is a C8 to C24 alkyl or alkenyl radical, R2, R3 and R4, independently of one another, are H or a C8 to C24 acyl radical, with the proviso that at least one of the radicals R2, R3 or R4 stands for a C8 to C24 acyl radical, x, y and z, independently of one other, are an integer of from 0 to 50, with the proviso that x + y + z is an integer of from 1 to 100, and B) a compound of formula D-NH<sub>2</sub>, in which D stands for a hydrocarbon radical having from 1 to 50 carbon atoms, which can contain either an oxygen atom or an oxygen atom and a nitrogen atom, in amounts of 10 to 5.000 g/tonne as a collector in the reverse flotation of iron ore containing magnetite, haematite or both.

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