Title (en)

POLYAMINO MONOSUCCINIC ACID DERIVATIVE DEGRADABLE CHELANTS, USES AND COMPOSITIONS THEREOF

Title (de)

ABBAUBARE CHELATE AUS BERNSTEINSÄURE DERIVATE, VERWENDUNGEN UND ZUSAMMENSETZUNGEN DERSELBEN

Title (fr)

CHELATANTS DEGRADABLES DERIVES D'ACIDES POLYAMINO-MONOSUCCINIQUES, LEURS UTILISATIONS ET COMPOSITIONS

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Application

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Abstract (en)

[origin: WO9708287A2] Polyamino monosuccinic acids are effective chelants for use in gas conditioning (preferably involving the polyamino monosuccinic acid in the form of a metal chelate, preferably an iron complex). Hydrogen sulfide can be removed from a fluid by contacting said fluid with an aqueous solution at a pH suitable for removing hydrogen sulfide wherein said solution contains at least one higher valence polyvalent metal chelate of at least one polyamino monosuccinic acid. NOx can be removed from a fluid by contacting the fluid with an aqueous solution of a least one lower valence state polyvalent metal chelate of at least one polyamino monosuccinic acid. The copper chelates are also useful in electroless copper plating. In electroless deposition, the invention includes a method of electroless deposition of copper upon a non-metallic surface receptive to the deposited copper including a step of contacting the non-metallic surface with an aqueous solution comprising a soluble copper salt and at least one polyamino monosuccinic acid and plating baths appropriate for such use. Another aspect of the invention includes the use of the polyamino monosuccinic acids in laundry detergent compositions containing a detergent surfactant and builder.

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