

Title (en)

Reductive decontaminant gel and its use for decontaminating surfaces

Title (de)

Dekontaminierendes Reduktorgel und seine Verwendung zur Dekontamination von Oberflächen

Title (fr)

Gel décontaminant réducteur et son utilisation pour la décontamination de surfaces

Publication

EP 0589781 B1 19990331 (FR)

Application

EP 93402307 A 19930921

Priority

FR 9211317 A 19920923

Abstract (en)

[origin: EP0589781A1] The invention relates to a reductive decontaminant gel and to its use for decontaminating surfaces. This reductive gel consists of a colloidal solution with a pH at least equal to 13 comprising: a) 20 to 30% by weight of a gelling agent such as alumina, b) 0.1 to 14 mol/l of a base such as NaOH, and c) 0.1 to 4.5 mol/l of a reducing agent having an oxidation-reduction potential E0 less than -600 mV/SHE in strongly basic medium (pH \geq 13), for example NaBH₄, Na₂S, Na₂S₂O₄ or hydrazine. This reductive gel can be used for decontaminating metal surfaces covered with adhering oxide layers.

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Cited by

US8636848B2; US6852903B1; FR2827530A1; FR2746328A1; US6203624B1; WO9735323A1; WO03008529A1; US7713357B2; US7718010B2

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