

Title (en)
LIQUID CLEANING CONCENTRATE

Title (de)
FLÜSSIGES REINIGUNGSKONZENTRAT

Title (fr)
CONCENTRÉ DE NETTOYAGE LIQUIDE

Publication
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Application
EP 15190193 A 20151016

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Abstract (en)
[origin: CA3001652A1] The invention relates to a cleaning concentrate comprising (i) 22 - 46 wt.% alkali metal hydroxide, (ii) 5 - 50 wt.% dispersing agent, complexing agent or a combination thereof, (iii) 0 - 5 wt.% surfactant, (iv) 0 - 5 wt.% auxiliary agents, and (v) 28 - 39 wt. % water, said cleaning concentrate being a suspension. The invention also relates a method for the production thereof.

Abstract (de)
Reinigungskonzentrat, umfassend (i) 22 bis 46 Gew.-% Alkalimetallhydroxid, (ii) 5 bis 50 Gew.-% Dispergiermittel, Komplexbildner oder eine Kombination daraus, (iii) 0 bis 5 Gew.-% Tensid, (iv) 0 bis 5 Gew.-% Hilfsstoffe, und (v) 28 bis 39 Gew.-% Wasser, wobei das Reinigungskonzentrat eine Suspension ist; sowie Herstellungsverfahren hierfür.

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Citation (applicant)
• DE 19906660 A1 20000127 - HAKA KUNZ GMBH [DE]
• EP 1181346 A1 20020227 - HENKEL KGAA [DE]
• DE 10002710 A1 20010802 - HENKEL ECOLAB GMBH & CO OHG [DE]
• DE 10002710 A1 20010802 - HENKEL ECOLAB GMBH & CO OHG [DE]
• DE 10002710 A1 20010802 - HENKEL ECOLAB GMBH & CO OHG [DE]

Citation (search report)
• [XD] DE 10002710 A1 20010802 - HENKEL ECOLAB GMBH & CO OHG [DE]
• [I] WO 9627653 A1 19960912 - HENKEL ECOLAB GMBH & CO OHG [DE], et al
• [AD] DE 19906660 A1 20000127 - HAKA KUNZ GMBH [DE]

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