

Title (en)

USE OF SILICONE ELASTOMERS IN COSMETIC PREPARATIONS

Title (de)

VERWENDUNG VON SILIKONELASTOMEREN IN KOSMETISCHEN ZUBEREITUNGEN

Title (fr)

UTILISATION D'ÉLASTOMÈRES DE SILICONE DANS DES PRÉPARATIONS COSMÉTIQUES

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Application

EP 12727668 A 20120615

Priority

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Abstract (en)

[origin: WO2013000742A2] The invention relates to the use of a siloxane elastomer gel, which is swollen in a solvent, in cosmetic preparations to prevent microbial attack. Said gel: I) is produced by reacting (A) an =Si-H-containing polysiloxane of formula $R_3SiO(R'_2SiO)_a(R''HSiO)_bSiR_3$ and optionally an =Si-H-containing polysiloxane of formula $HR_2SiO(R'_2SiO)_cSiR_2H$ or formula $HR_2SiO(R'_2SiO)_a(R''HSiO)_bSiR_2H$, where R, R' and R'' = alkyl groups comprising 1 to 6 C atoms, a = 0-250, b = 1-250, and c = 0-250, (B) with an alpha, omega diene of formula $CH_2=CH(CH_2)_xCH=CH_2$, where x = 1-20, said reaction being carried out in the presence of a platinum catalyst and (C) a solvent selected from the group consisting of (i) organic components, (ii) components containing a silicone atom and any mixtures thereof and being carried out until a gel is achieved by cross-linking by the addition of =Si-H to the double bonds of the alpha, omega diene, or; II) has the following structure (AA) where R1 = a C1 to C30 alkyl group, R2 = hydrogen, R3 = a cross-link -E-Y-E-, in which the other end of the cross-link is connected to a second silicone elastomer chain, each E represents a divalent group selected from the groups -CH2-CH2- or -CH=CH- and Y represents a divalent hydrocarbon group, a siloxane or a combination of the two, a = 265-2,000, b = 0-249 and C = 1-250, with the proviso that b+c = 250.

IPC 8 full level

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CPC (source: EP)

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