

Title (en)
Aqueous anionic dispersion.

Title (de)
Wässrige anionische Dispersion.

Title (fr)
Dispersion aqueuse anionique.

Publication
EP 0202471 A2 19861126 (DE)

Application
EP 86105191 A 19860415

Priority
DE 3514373 A 19850420

Abstract (en)
[origin: US4775488A] An agent effective for oleophobicizing and hydrophobizing textiles is an aqueous anionic dispersion which comprises water and (A) 5 to 25% by weight of a reaction product which contains at least one bis-(2-fluoroalkyl-ethoxy-carbonylamino)-toluene of the formula $YCF_2(CF_2)_nCH_2CH_2OCO + TR$ <IMAGE> wherein n is a number from 5 to 15 and Y is -H or -F, and wherein said reaction product is prepared by reacting 2-perfluoroalkylethanol of the formula $YCF_2-(CF_2)_n-CH_2CH_2OH$ with tolylene diisocyanate in a molar ratio of (1.8 to 2):1 in the presence of 2 to 5% by weight of N-methylpyrrolidone, relative to the perfluoroalkylethanol, (B) 1 to 14% by weight of at least one emulsifier of the formula $YCF_2(CF_2)_p-CH_2CH_2O-CO-NH-CH_2CH_2-SSO_3X$ wherein p is a number from 5 to 15, Y is -H or -F, and X is a monovalent cation, (C) 1 to 14% by weight of at least one nonionic emulsifier of the formula $YCF_2-(CF_2)_q-CH_2CH_2-(OCH_2CH_2)_r-OH$ wherein Y is -H or -F, q is a number from 5 to 15, r is a number from 0 to 10, and (D) 5 to 30% by weight of a solvent or solvent mixture, with the proviso that the sum of the amounts of components (B) and (C) is 2 to 15%.

Abstract (de)
Die wäßrige anionische Dispersion, die ein Bis-(2-perfluoralkyl-ethoxy-carbonylamino)-toluol und Produkte aus einer Umsetzung von Tolylen-diisocyanat mit NMP, ferner z.B. einen Emulgator der Formel $CF_3(CF_2)_p-CH_2CH_2O-CO-NH-CH_2CH_2-SSO_3X$ wobei p eine Zahl von 5 bis 15 und X ein einwertiges Kation bedeuten, und z.B. einen Emulgator der Formel $CF_3-(CF_2)_q-CH_2CH_2-(OCH_2CH_2)_r-OH$ wobei q eine Zahl von 5 bis 15, r eine Zahl von 0 bis 10 bedeuten, und ein Lösungsmittel enthält, wird zur Hydrophob- und Oleophob-ausrüstung von Textilien verwendet.

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IPC 8 full level
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