

Title (en)

LINEAR OR BRANCHED ESTER-ETHER BLOCK COPOLYMERS AND THEIR USE AS SURFACTANTS EITHER ALONE OR IN BLENDS WITH CONVENTIONAL SURFACTANTS

Publication

EP 0000424 B1 19840201 (EN)

Application

EP 78300074 A 19780623

Priority

GB 2919277 A 19770712

Abstract (en)

[origin: EP0000424A1] Block copolymers useful as surfactants in oil/water systems are described. The copolymers comprise at least two polymeric components of molecular weight at least 500 which are derived from an oil-soluble complex mono-carboxylic acid and a polymeric component of molecular weight at least 500 which is derived from a water-soluble polyalkylene glycol. The copolymers may be either oil-soluble or water-soluble depending on their composition and may be used as wetting agents, dispersing agents, emulsifiers or emulsion stabilisers. The oil-soluble copolymer, and their blends with low molecular weight conventional surfactants, are of particular interest for the emulsification of water in hydrocarbon fuel oils.

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IPC 8 full level

B01J 13/00 (2006.01); **C07C 69/675** (2006.01); **C09K 23/42** (2022.01); **C08G 63/00** (2006.01); **C08G 63/06** (2006.01); **C08G 63/66** (2006.01); **C08G 63/664** (2006.01); **C08G 65/00** (2006.01); **C08G 65/32** (2006.01); **C08G 81/00** (2006.01); **C09K 23/00** (2022.01); **C09K 23/44** (2022.01); **C09K 23/52** (2022.01); **C10L 1/32** (2006.01); **C10L 10/18** (2006.01); **C10M 145/38** (2006.01); **C10M 173/00** (2006.01); **C11D 3/37** (2006.01); **D06M 13/02** (2006.01); **D06M 13/224** (2006.01); **D06M 15/00** (2006.01); **C10N 40/08** (2006.01); **C10N 40/20** (2006.01); **C10N 40/22** (2006.01)

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