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(54) Title: ALKOXYLATED POLYGLYCEROLS AND THEIR USE AS DEMULSIFIERS

(54) Bezeichnung: ALKOXYLIERTE POLYGLYCERINE UND IHRE VERWENDUNG ALS EMULSIONSSPALTER

(57) Abstract: The invention relates to the use of alkoxyated polyglycerols as demulsifiers. The invention is characterized by the use of alkoxyated polyglycerols having a molecular weight of 250 to 100000 moieties which comprise 2 to 100 glycerol moieties whose free OH groups are alkoxyated with C₂-C₄ alkylene oxide groups or a mixture of such alkylene oxide groups so that the alkoxyated polyglycerol has an alkoxylation degree of 1 to 100 alkylene oxide moieties per free OH group. The inventive polyglycerols are used as demulsifiers for oil/water emulsions in an amount of from 0.0001 to 5 % by weight, based on the oil content of the emulsion to be demulsified.

(57) Zusammenfassung: Verwendung alkoxylierter Polyglycerine als Emulsionsspalter. Gegenstand der Erfindung ist die Verwendung alkoxylierter Polyglycerine mit einem Molekulargewicht von 250 bis 100.000 Einheiten, welche 2 bis 100 Glycerineinheiten umfassen, deren freien OH-Gruppen mit C₂-C₄- Alkylenoxidgruppen oder einer Mischung solcher Alkylenoxidgruppen alkoxyliert sind, so dass das alkoxylierte Polyglycerin einen Alkoxyierungsgrad von 1 bis 100 Alkylenoxidenheiten pro freier OH-Gruppe aufweist, zur Spaltung von Öl/Wasseremulsionen in Mengen von 0.0001 bis 5 Gew.-%, bezogen auf den Ölgehalt der zu spaltenden Emulsion.

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