

Title (en)
SURFACTANT COMPOSITIONS

Title (de)
TENSIDZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS DE TENSIOACTIFS

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Abstract (en)
[origin: WO9855088A1] Organic solvent free co-polymeric surfactants of the formula: A - B - A where each A is an oligo- or polyester residue of a hydroxycarboxylic acid and B is a polyoxyalkylene chain (both as defined) are useful in personal care water-in-oil emulsion, particularly for emulsions where the aqueous phase includes dissolved electrolyte, urea or alcohols or for hydrophile-in-oil emulsions or dispersion having polyol or aqueous polyol solution hydrophile phase. The hydrophile-in-oil emulsions can be formulated as multiple hydrophile-in-oil-in-water emulsions. The invention includes a single step process for oil-in-water emulsions containing water-in-oil droplets by forming a mixture of an oil phase and oil-in-water primary (oil in water) emulsifier including also the copolymer surfactant and adding to the oil mixture under stirring to an aqueous phase. In particular the primary emulsifier is a combination of a hydrophilic fatty alcohol ethoxylate surfactant and a hydrophobic fatty alcohol ethoxylate surfactant and especially including added fatty alcohol.

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