

Title (en)  
POLYMERISABLE SURFACTANTS

Title (de)  
POLYMERISIERBARE OBERFLÄCHENAKTIVE MITTEL

Title (fr)  
TENSIOACTIFS POLYMERISABLES

Publication  
**EP 1175447 A1 20020130 (EN)**

Application  
**EP 99951024 A 19991028**

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Abstract (en)  
[origin: WO0027890A1] The invention provides a polymerisable surfactant having at least one hydrophobic polymerisable group which is linked by polyalkyleneoxy groups to a hydrophilic group, wherein the polymerisable surfactant is of the general formula:  $(RCH = CR'COO [CH_2CHR''O]_x)nPO(OY)_m$ , where  $n + m = 3$ ;  $x$  is between 5 and 40;  $R = H$  or  $CH_3$  or  $COOR'''$ ;  $R' = H$  or  $CH_3$ ;  $R'' = H$ ,  $CH_3$  or  $C_2H_5$ ;  $R''' = C_1$ - $C_{20}$ alkyl;  $Y = H$  or an alkali metal atom. The invention further relates to a method of making such surfactants and to their use in surface coatings, to improve water-resistance and to reduce the formation of "bloom" and "blush" in such coatings.

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