

COPOLYMER AND OILY GELLING AGENT

ABSTRACT

The present invention provides a copolymer used as oily gelling agent with which a stable oily gelled composition can be prepared.

The copolymer of the present invention is characterized by comprising a hydrophobic monomer represented by the following general formula (1) and a hydrophilic monomer represented by the following general formula (2) and/or the following general formula (3).

[General formula(1)]



(In formula (1), R^1 is a straight-chain or branched-chain alkyl group having 16 to 22 carbon atoms. R^2 is a hydrogen atom or a methyl group.)

[General formula (2)]



(In formula (2), R^3 is a hydrogen atom, a glyceryl group, a straight-chain or branched-chain hydroxyalkyl group having 1 to 4 carbon atoms, or a polypropylene glycol group represented by $-(\text{C}_3\text{H}_6\text{O})_n\text{H}$ (here, n is an integer of 2 to 10). R^4 is a hydrogen atom or a methyl group.)

[General formula (3)]



(In formula (3), R^5 is a hydrogen atom or a methyl group, R^6 is a straight-chain or branched-chain alkyl group or hydroxyalkyl group having 1 to 4 carbon atoms, or a substituent represented by the following structural formula (4).)

[Structural formula 4]



[No suitable figure]