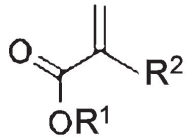
SUMMARY

In one aspect, there is provided an oily gelling agent comprising a copolymer derived from a mixture consisting of:

a hydrophobic monomer unit having a general formula (1)

[General formula (1)]



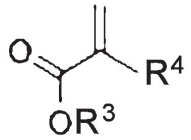
(1)

wherein, R^1 is at least one alkyl group selected from a group consisting of straight chained and branched alkyl group, having 16 to 22 carbon atoms; and R^2 is at least one group selected from a group consisting of a hydrogen atom and a methyl;

and

a hydrophilic monomer unit having a general formula (2);

[General formula 2]



(2)

wherein R^3 is one group selected from a group consisting of glyceryl group and polypropylene glycol group illustrated as $-(C_3H_6O)_nH$, wherein n is an integer of 2 to 10, R^4 is at least a group selected from a group consisting of hydrogen atom and methyl,
wherein a mole ratio between said hydrophobic monomer and said hydrophilic monomer is in the range of 3/7 to 8/2.

In another aspect, there is provided an oily gelled composition comprising the oily gelling agent as described herein.

In a further aspect, there is provided an oily cosmetic comprising the oily gelled composition as described herein.

In yet a further aspect, there is provided a water-in-oil cosmetic comprising the oily gelled composition as described herein.

DISCLOSURE OF THE INVENTION

PROBLEM TO BE SOLVED BY THE INVENTION

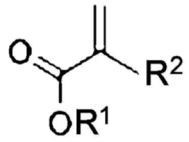
[0005] The present invention is made in view of the above-described conventional art, and the problem to be solved is stability of oily gelled composition, and whether the new

What is claimed is:

1. An oily gelling agent comprising: a copolymer derived from a mixture consisting of:

a hydrophobic monomer unit having a general formula (1)

[General formula (1)]



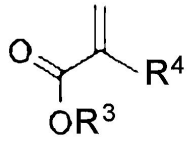
(1)

wherein, R^1 is at least one alkyl group selected from a group consisting of straight chained and branched alkyl group, having 16 to 22 carbon atoms; and R^2 is at least one group selected from a group consisting of a hydrogen atom and a methyl;

and

a hydrophilic monomer unit having a general formula (2);

[General formula 2]



(2)

wherein R^3 is one group selected from a group consisting of glyceryl group and polypropylene glycol group illustrated as $-(C_3H_6O)_nH$, wherein n is an integer of 2 to 10, R^4 is at least a group selected from a group consisting of hydrogen atom and methyl,
wherein a mole ratio between said hydrophobic monomer and said hydrophilic monomer is in the range of 3/7 to 8/2.

2. The oily gelling agent according to claim 1, wherein said hydrophobic monomer having the general formula (1) is a monomer selected from a group consisting of cetyl (meth)acrylate, stearyl (meth)acrylate, and behenyl (meth)acrylate

3. The oily gelling agent according to claim 1 or 2, wherein said hydrophilic monomer having the general formula (2) is said monomer selected from a group consisting of glyceryl methacrylate and PPG-6 acrylate.

4. The oily gelling agent according to claim 3, wherein said hydrophilic monomer having the general formula (2) is glyceryl methacrylate.

5. An oily gelled composition comprising: said oily gelling agent according to any one of

claims 1 to 4.

6. An oily cosmetic comprising: said oily gelled composition according to claim 5.

7. A water-in-oil cosmetic comprising: said oily gelled composition according to claim 5.