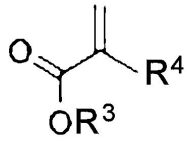


(1)

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]



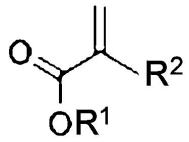
(2)

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.

In another aspect there is provided a copolymer derived from a mixture consisting of:

a hydrophobic monomer unit having a general formula (1)

[General formula (1)]



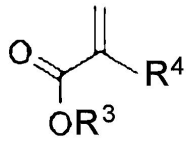
(1)

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.

In another aspect, there is provided an oily gelling agent comprising the copolymer according to the present invention.

In another aspect, there is provided an oily gelled composition comprising the oily gelling agent according to the present invention.

In a further aspect, there is provided an oily cosmetic comprising the oily gelled composition according to the present invention.

In yet a further aspect, there is provided a water-in-oil cosmetic comprising the oily gelled composition according to the present invention.

## DISCLOSURE OF THE INVENTION

## PROBLEM TO BE SOLVED BY THE INVENTION

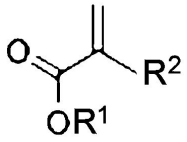
[0005] The present invention is made in view of the above-described conventional art, and the problem to be solved is stability of oily gelled composition, and whether the new

What is claimed is:

1. A copolymer derived from a mixture comprising:

a hydrophobic monomer unit having a general formula (1)

[General formula (1)]



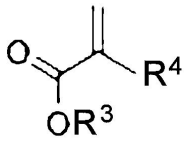
(1)

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]



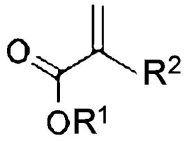
(2)

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.

2. A copolymer derived from a mixture consisting of:

a hydrophobic monomer unit having a general formula (1)

[General formula (1)]



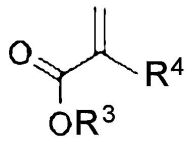
(1)

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.

3. The copolymer according to Claim 1 or 2, 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.

4. The copolymer according to any one of Claims 1 to 3, wherein said hydrophilic monomer having the general formula (2) is said monomer selected from a group consisting of

glyceryl methacrylate and PPG-6 acrylate.

5. The copolymer according to Claim 4, wherein said hydrophilic monomer having the general formula (2) is glyceryl methacrylate.

6. The copolymer according to any one of Claims 1 and 3 to 5, wherein said hydrophobic monomer having the general formula (1) and said hydrophilic monomer having one of the general formula (2) are at least 90% of the total monomers.

7. The copolymer according to any one of Claims 1 to 6, wherein a mole ratio between said hydrophobic monomer and said hydrophilic monomer is in the range of 3/7 to 8/2.

8. An oily gelling agent comprising: said copolymer according to claim 6 or 7.

9. An oily gelled composition comprising: said oily gelling agent according to claim 8.

10. An oily cosmetic comprising: said oily gelled composition according to claim 9.

11. A water-in-oil cosmetic comprising: said oily gelled composition according to claim 9.