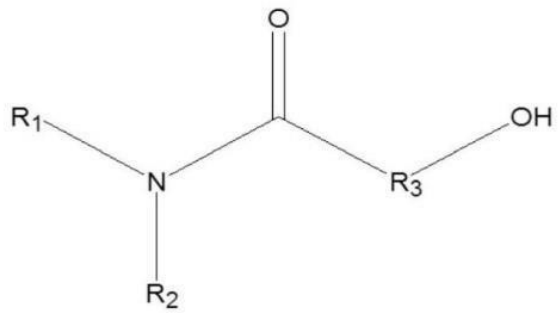
CLAIMS

1. A method for producing an emulsion composition, wherein an aqueous phase containing a carboxyl group-containing polymer, and an oil phase containing an amide alcohol represented by formula (I):



(I)

wherein

R_1 is a C6-C22 hydrocarbon group,

R_2 is H, or a C6-C22 hydrocarbon group,

R_3 is a linear or branched C3-C5hydrocarbon group,

are mixed.

2. The method according to Claim 1, which comprises neutralizing by adding a neutralizing agent.

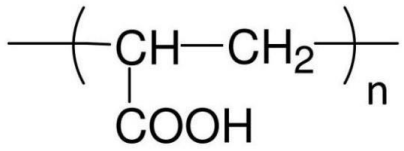
3. The method according to Claim 2, wherein the aqueous phase containing the carboxyl group-containing polymer is neutralized by adding a neutralizing agent, and the aqueous phase and the oil phase are mixed.

4. The method according to Claim 2, wherein, after mixing the aqueous phase and the oil phase, the mixture is neutralized by adding a neutralizing agent.

5. The method according to any one of Claims 1 to 4, wherein the carboxyl group-containing polymer has a molecular weight of 500,000 to 3,000,000 and a carboxyl group content of 50 to 70%.

6. The method according to any one of Claims 1 to 5, wherein the carboxyl group-containing polymer is a carboxyvinyl polymer and/or an alkyl-modified carboxyvinyl polymer.

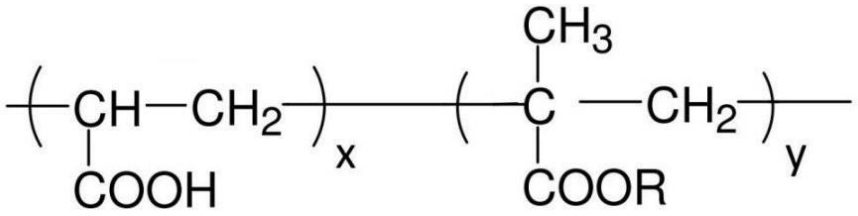
7. The method according to Claim 6, wherein the carboxyl group-containing polymer is a carboxyvinyl polymer represented by formula (II):



(II)

wherein n is an integer,

and/or an alkyl-modified carboxyvinyl polymer represented by formula (III):



(III)

wherein x and y are each independently an integer,

R is a C10-C30 alkyl group.

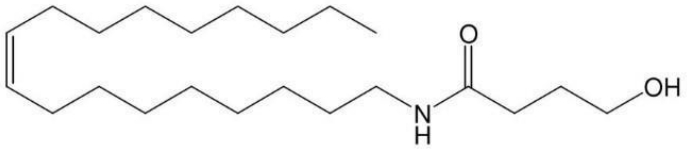
8. The method according to any one of Claims 1 to 7, wherein the amide alcohol is an amide alcohol of formula (I), wherein

R_1 is a C10-C22 hydrocarbon group,

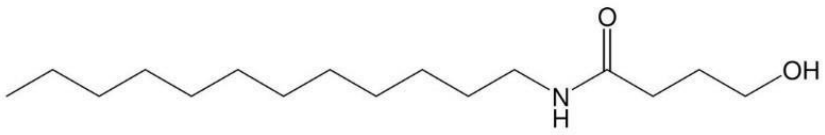
R_2 is H,

R_3 is a C3-C5 hydrocarbon group.

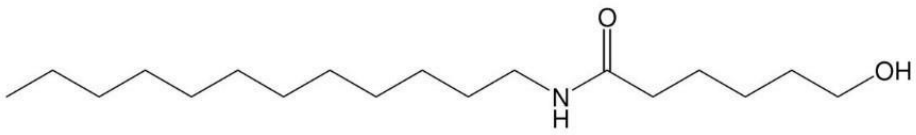
9. The method according to Claim 8, wherein the amide alcohol is one or more selected from:



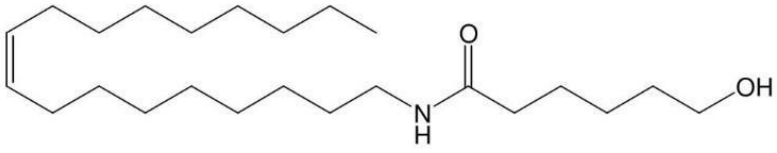
(I-1)



(I-2)



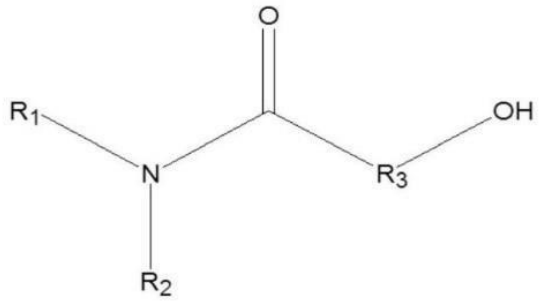
(I-3)



(I-4)

10. An emulsion composition obtained by the method according to any one of Claims 1 to 9.

11. An emulsifier containing an amide alcohol represented by formula (I):



(I)

wherein

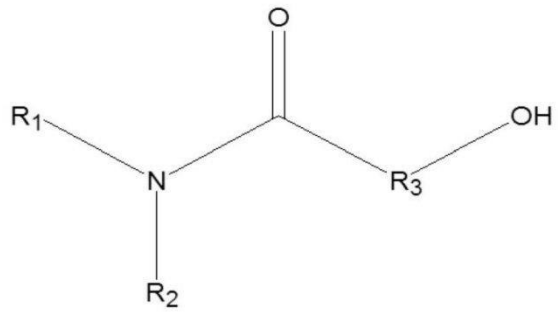
R_1 is a C6-C22 hydrocarbon group,

R_2 is H, or a C6-C22 hydrocarbon group,

R_3 is a linear or branched C3-C5 hydrocarbon group,

and a carboxyl group-containing polymer.

12. A complex having a carboxylate ion wherein an amide alcohol represented by formula (I):



(I)

wherein

R_1 is a C6-C22 hydrocarbon group,

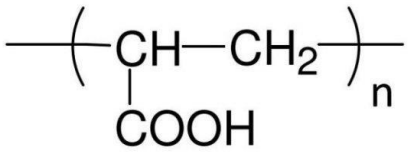
R_2 is H, or a C6-C22 hydrocarbon group,

R_3 is a linear or branched C3-C5 hydrocarbon group,

and a carboxyl group-containing polymer are bonded.

13. The complex according to claim 12, wherein the carboxyl group-containing polymer is a carboxyvinyl polymer and/or an alkyl-modified carboxyvinyl polymer.

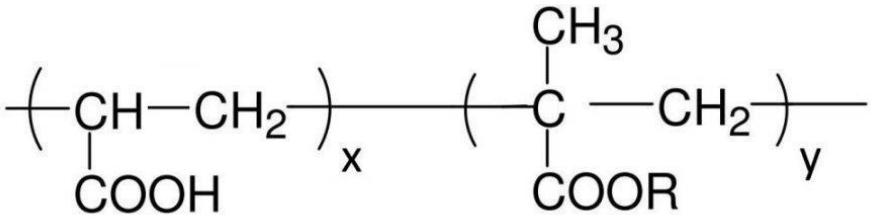
14. The complex according to Claim 12 or 13, wherein the carboxyl group-containing polymer is a carboxyvinyl polymer represented by formula (II):



(II)

wherein n is an integer,

and/or an alkyl-modified carboxyvinyl polymer represented by formula (III):



(III)

wherein x and y are each independently an integer,

R is a C10-C30 alkyl group.