Claims

1. A framed soap composition comprising the following components (A), (B), (C) and (D):

(A) from 10 to 50% by mass of a fatty acid having 8 to 22 carbon atoms or a sodium salt thereof,

(B) from 1 to 25% by mass of an alkyl ether carboxylic acid or a salt thereof represented by the formula (1)

$$R^1-O-(CH_2CH_2O)_n-CH_2-COOM \qquad (1)$$

wherein R^1 represents an alkyl group having 4 to 22 carbon atoms, n represents a number of from 0 to 20, and M represents a hydrogen atom, alkali metal, alkaline earth metal, ammonium, or organic ammonium,

wherein R^1 has an average carbon number of from 10.8 to 12.8, and

wherein the alkyl ether carboxylic acid or the salt thereof contains a component in which n = 0 in an amount of more than 9.6% by mass and 27% by mass or less, and a component in which n = 1 and a component in which n = 2 in a total amount of 21% by mass or more and less than 40% by mass,

(C) from 0.1 to 10% by mass of a salt other than the components (A) and (B), and

(D) water, and

wherein the mass ratio of the content of the components (A) and (B) in terms of acids, (B) / ((A) + (B)), is from 0.04 to 0.6.

2. The framed soap composition according to claim 1, wherein the component (C) is a salt selected from the group consisting of salts of halogen, sulfuric acid, sulfurous acid or phosphoric acid with alkali metal, alkaline earth metal or aluminum, and salts of an acid containing a sulfate group having 8 to 22 carbon atoms or an acid containing a carboxylic acid having 6 or less carbon atoms with alkali metal, alkaline earth metal, or aluminum.

3. The framed soap composition according to claim 1 or 2, wherein the component (C) is at least one salt selected from the group consisting of sodium chloride, potassium chloride, sodium sulfate, potassium sulfate, magnesium chloride, magnesium sulfate, aluminum chloride, aluminum sulfate, aluminum lactate, sodium lactate, and sodium lauryl sulfate.

4. The framed soap composition according to any one of claims 1 to 3, wherein, in the component (B), in the formula (1), an average value of n is from 1.5 to 10.

5. The framed soap composition according to any one of claims 1 to 4, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 6 to 20 carbon atoms, the average value of n is from 2.5 to 4.0, and the content of a component in which n = 0 is from 9.9 to 27% by mass.

6. The framed soap composition according to any one of claims 1 to 5, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 6 to 20 carbon atoms, an average value of n is from 2.5 to 3.7, and the content of a component in which n = 0 is from 9.9 to 27% by mass.

7. The framed soap composition according to any one of claims 1 to 6, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 8 to 18 carbon atoms and an average value of n is from 2.5 to 3.4.

8. The framed soap composition according to any one of claims 1 to 7, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 8 to 16 carbon atoms, R^1 has the average carbon number of from 10.8 to 12.5, the average value of n is from 2.8 to 3.4, the alkyl ether carboxylic acid or the salt thereof contains a component in which n = 0 in an amount of from 9.9 to 16% by mass, and a component in which n = 1 and a

component in which n = 2 in a total amount of from 27 to 36.5% by mass.

9. The framed soap composition according to any one of claims 1 to 8, wherein, the component (B) has, in the formula (1), a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) = 1 : 0.99 to 3.50 : 0.89 to 3.00 : 0.76 to 3.00 : 0.63 to 1.52 in the component having the alkyl chain length of the highest content in the composition of R^1.

10. The framed soap composition according to any one of claims 1 to 9, wherein, in the component (B), in the formula (1), R^1 contains two or more alkyl groups, and the content of a component having an alkyl chain length which is contained in the highest content is 55% by mass or more and less than 97% by mass.

11. The framed soap composition according to any one of claims 1 to 10, wherein the component (B) contains, in the formula (1), a component in which n = 0 in an amount of 9.9% by mass or more and less than 12% by mass and has a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a

component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) of 1 : 1.53 to 1.87 : 1.59 to 2.25 : 1.33 to 2.16 : 1.14 to 1.52 in the component having the alkyl chain length of the highest content in the composition of R^1, or contains a component in which n = 0 in an amount of from 12 to 17% by mass and has a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) of 1 : 0.99 to 1.34 : 0.89 to 1.40 : 0.76 to 1.23 : 0.63 to 1 in the component having the alkyl chain length of the highest content in the composition of R^1.

12. The framed soap composition according to any one of claims 1 to 11, further comprising (E) a polyol of from 1 to 40% by mass.

13. The framed soap composition according to any one of claims 1 to 12, further comprising (F) a nonionic surfactant of from 0.1 to 25% by mass.

14. The framed soap composition according to any one of claims 1 to 13, comprising at least 5% of air bubbles in volume fraction.

15. The framed soap composition according to any one of claims 1 to 14, wherein the mass ratio of the content of the components (A) and (B) in terms of acids, (B) / ((A) + (B)), is from 0.05 to 0.55.

16. A make-up removing cleanser comprising the framed soap composition according to any one of claims 1 to 15.

17. Use of the framed soap composition according to any one of claims 1 to 16 for producing a make-up cosmetic cleanser which is applied to made-up skin to thereby remove make-up cosmetics.

18. Use of the framed soap composition according to any one of claims 1 to 16 for producing framed soap which is applied to skin in the presence of water for washing by rinsing with water.

CLAIMS

1. A framed soap composition comprising the following components (A), (B), (C) and (D):

(A) from 10 to 50% by mass of a fatty acid having 8 to 22 carbon atoms or a sodium salt thereof,

(B) from 1 to 25% by mass of an alkyl ether carboxylic acid or a salt thereof represented by the formula (1)

$$R^1-O-(CH_2CH_2O)_n-CH_2-COOM \qquad (1)$$

wherein R^1 represents an alkyl group having 10 to 16 carbon atoms, n represents a number of from 0 to 20, and M represents a hydrogen atom, alkali metal, alkaline earth metal, ammonium, or organic ammonium,

wherein R^1 has an average carbon number of from 12.1 to 12.8, and

wherein the alkyl ether carboxylic acid or the salt thereof contains a component in which n = 0 in an amount of 9.9 to 16% by mass, and a component in which n = 1 and a component in which n = 2 in a total amount of 27 to 36.1% by mass,

(C) from 0.1 to 10% by mass of a salt other than the components (A) and (B), and

(D) water, and

wherein the mass ratio of the content of the components (A) and (B) in terms of acids, (B) / ((A) + (B)), is from 0.04 to 0.6.

2. The framed soap composition according to claim 1, wherein the component (C) is a salt selected from the group consisting of salts of halogen, sulfuric acid, sulfurous acid or phosphoric acid with alkali metal, alkaline earth metal or aluminum, and salts of an acid containing a sulfate group having 8 to 22 carbon atoms or an acid containing a carboxylic acid having 6 or less carbon atoms with alkali metal, alkaline earth metal, or aluminum.

3. The framed soap composition according to claim 1 or 2, wherein the component (C) is at least one salt selected from the group consisting of sodium chloride, potassium chloride, sodium sulfate, potassium sulfate, magnesium chloride, magnesium sulfate, aluminum chloride, aluminum sulfate, aluminum lactate, sodium lactate, and sodium lauryl sulfate.

4. The framed soap composition according to any one of claims 1 to 3, wherein, in the component (B), in the formula (1), an average value of n is from 1.5 to 10.

5. The framed soap composition according to any one of claims 1 to 4, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 10 to 16 carbon atoms, the average value of n is from 2.5 to 4.0, and the content of a component in which n = 0 is from 9.9 to 16% by mass.

6. The framed soap composition according to any one of claims 1 to 5, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 10 to 16 carbon atoms, an average value of n is from 2.5 to 3.7, and the content of a component in which n = 0 is from 9.9 to 16% by mass.

7. The framed soap composition according to any one of claims 1 to 6, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 10 to 16 carbon atoms and an average value of n is from 2.5 to 3.4.

8. The framed soap composition according to any one of claims 1 to 7, wherein, in the component (B), in the formula (1), R^1 is an alkyl group having 10 to 16 carbon atoms, R^1 has the average carbon number of from 12.1 to 12.5, the average value of n is from 2.8 to 3.4, the alkyl ether carboxylic acid or the salt thereof contains a component in which n = 0 in an amount of from

9.9 to 16% by mass, and a component in which n = 1 and a component in which n = 2 in a total amount of from 27 to 36.1% by mass.

9. The framed soap composition according to any one of claims 1 to 8, wherein, the component (B) has, in the formula (1), a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) = 1 : 0.99 to 3.50 : 0.89 to 3.00 : 0.76 to 3.00 : 0.63 to 1.52 in the component having the alkyl chain length of the highest content in the composition of R^1.

10. The framed soap composition according to any one of claims 1 to 9, wherein, in the component (B), in the formula (1), R^1 contains two or more alkyl groups, and the content of a component having an alkyl chain length which is contained in the highest content is 55% by mass or more and less than 97% by mass.

11. The framed soap composition according to any one of claims 1 to 10, wherein the component (B) contains, in the formula (1), a component in which n = 0 in an amount of 9.9% by mass or more and less than 12% by mass and has a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) of 1 : 1.53 to 1.87 : 1.59 to 2.25 : 1.33 to 2.16 : 1.14 to 1.52 in the component having the alkyl chain length of the highest content in the composition of R^1, or contains a component in which n = 0 in an amount of from 12 to 17% by mass and has a ratio of (the mass of a component in which n = 0) : (the mass of a component in which n = 1) : (the mass of a component in which n = 2) : (the mass of a component in which n = 3) : (the mass of a component in which n = 4) of 1 : 0.99 to 1.34 : 0.89 to 1.40 : 0.76 to 1.23 : 0.63 to 1 in the component having

the alkyl chain length of the highest content in the composition of R^1.

12. The framed soap composition according to any one of claims 1 to 11, further comprising (E) a polyol of from 1 to 40% by mass.

13. The framed soap composition according to any one of claims 1 to 12, further comprising (F) a nonionic surfactant of from 0.1 to 25% by mass.

14. The framed soap composition according to any one of claims 1 to 13, comprising at least 5% of air bubbles in volume fraction.

15. The framed soap composition according to any one of claims 1 to 14, wherein the mass ratio of the content of the components (A) and (B) in terms of acids, (B) / ((A) + (B)), is from 0.05 to 0.55.

16. A make-up removing cleanser comprising the framed soap composition according to any one of claims 1 to 15.