Claims

1. A two-part hair dye comprising a first part containing an alkali agent, a second part containing hydrogen peroxide, and a non-aerosol foamer container for discharging a liquid mixture of the first part and the second part in the form of a foam, wherein the liquid mixture comprises the following components (A) and (B):

(A) a polymer or copolymer containing 70% or more mole fraction of diallyldimethyl quaternary ammonium salt monomer, and

(B) an N-acylamino acid salt, an N-acyl-N-alkylamino acid salt, or an ether carboxylic acid salt,

wherein, an equivalent ratio of an anion site of the component (B) to a cation site of the component (A) (anion / cation) is more than 1, and a viscosity of the liquid mixture at 25°C is 1 to 300 mPa·s.

2. The two-part hair dye according to Claim 1, wherein the Component (A) is a copolymer of a diallyldimethyl quaternary ammonium salt monomer and an acrylic acid or acrylamide monomer.

3. The two-part hair dye according to Claim 1 or 2, wherein the content of the Component (A) in the liquid mixture is 0.1 to 1.5 mass%.

4. The two-part hair dye according to any one of Claims 1 to 3, wherein the content of the Component (B) in the liquid mixture is 0.5 to 5 mass%.

5. The two-part hair dye according to any one of Claims 1 to 4, further comprising an anionic surfactant other than the Component (B) or a cationic surfactant in an amount of 0 to 1 mass% in the liquid mixture.

6. The two-part hair dye according to any one of Claims 1 to 5, further comprising an amphoteric surfactant or a nonionic surfactant in an amount of 0.1 to 5 mass% in the liquid mixture.

7. The two-part hair dye according to any one of Claims 1 to 6, further comprising an oil agent in an amount of 0.01 to 3 mass% in the liquid mixture.

8. The two-part hair dye according to any one of Claims 1 to 7, wherein a pH of the liquid mixture at 25°C is 8 to 12.

9. A method for dyeing hair comprising discharging the liquid mixture of the two-part hair dye according to any one of Claim 1 to 8 from a non-aerosol type foamer container in the form of a foam, applying the liquid mixture in the form of a foam thus discharged to the hair, and then re-foaming the liquid mixture on the hair.

Claims

1. A two-part hair dye comprising a first part containing an alkali agent, a second part containing hydrogen peroxide, and a non-aerosol foamer container for discharging a liquid mixture of the first part and the second part in the form of a foam, wherein the liquid mixture comprises the following components (A) and (B):

(A) a polymer or copolymer containing 70% or more mole fraction of diallyldimethyl quaternary ammonium salt monomer, and

(B) an N-acylamino acid salt, an N-acyl-N-alkylamino acid salt, or an ether carboxylic acid salt,

wherein, an equivalent ratio of an anion site of the component (B) to a cation site of the component (A) (anion / cation) is more than 1, and a viscosity of the liquid mixture at 25°C is 1 to 300 mPa·s.

2. The two-part hair dye according to Claim 1, wherein the Component (A) is a copolymer of a diallyldimethyl quaternary ammonium salt monomer and an acrylic acid or acrylamide monomer.

3. The two-part hair dye according to Claim 1, wherein the content of the Component (A) in the liquid mixture is 0.1 to 1.5 mass%.

4. The two-part hair dye according to Claim 1, wherein the content of the Component (B) in the liquid mixture is 0.5 to 5 mass%.

5. The two-part hair dye according to Claim 1, further comprising an anionic surfactant other than the Component (B) or a cationic surfactant in an amount of 0 to 1 mass% in the liquid mixture.

6. The two-part hair dye according to Claim 1, further comprising an amphoteric surfactant or a nonionic surfactant in an amount of 0.1 to 5 mass% in the liquid mixture.

7. The two-part hair dye according to Claim 1, further comprising an oil agent in an amount of 0.01 to 3 mass% in the liquid mixture.

8. The two-part hair dye according to Claim 1, wherein a pH of the liquid mixture at 25°C is 8 to 12.

9. A method for dyeing hair comprising discharging the liquid mixture of the two-part hair dye according to Claim 1 from a non-aerosol type foamer container in the form of a foam, applying the liquid mixture in the form of a foam thus discharged to the hair, and then re-foaming the liquid mixture on the hair.