wherein the cooling rate is preferably 0.8°C/sec or higher, and preferably 1.5°C/sec or lower.

<29> The cosmetic for protection against ultraviolet radiation according to any one of the above <1> to <28>, wherein the volume median diameter of the emulsified particles is preferably 0.1 to 10 μm, more preferably 0.15 to 0.35 μm, and still more preferably 0.20 to 0.25 μm.

<30> The cosmetic for protection against ultraviolet radiation according to any one of the above <1> to <29>, wherein the coefficient of deviation of the emulsified particles is preferably 18 to 40, more preferably 19 to 30, and still more preferably 20 to 25.

<31> Use of the cosmetic for protection against ultraviolet radiation according to any one of the above <1> to <30>, comprising applying the cosmetic on skins, on any of preferably skins excluding scalps, more preferably skins of faces, body, limbs and the like.

[0104]

<32> A method for producing a cosmetic for protection against ultraviolet radiation, comprising:

an emulsification step of mixing a composition comprising the following components (A), (B), (C) and (D):

(A) 0.18 to 2 mass% of an ionic surfactant;

(B) 1 to 10 mass% of a hydrophobic amphipathic substance;

(C) 1 to 40 mass% of a liquid oil agent comprising an oil-soluble ultraviolet absorber; and

Claims

1. A cosmetic for protection against ultraviolet radiation, the cosmetic comprising the following components:

(A) 0.18 to 2 mass% of an ionic surfactant;

(B) 2.5 to 3.8 mass% of a hydrophobic amphipathic substance;

(C) 1 to 40 mass% of a liquid oil agent comprising an oil-soluble ultraviolet absorber;

(D) 0.01 to 6 mass% of a solid oil agent; and

(E) water,

wherein the cosmetic is obtained by a method comprising the following steps:

an emulsification step of mixing a composition comprising the components (A) to (D) with (E) water under heating to form an emulsion; and

a cooling step of cooling the emulsion formed in the emulsification step at a cooling rate of 0.5 to 5°C/sec.

2. The cosmetic according to claim 1, further comprising (F) a water-soluble polymer.

3. The cosmetic according to claim 1 or claim 2, wherein a mass ratio of the component (A) to the component (C), (A)/(C), is 0.01 to 0.2.

4. The cosmetic according to any one of claims 1 to 3, wherein a mass ratio of the component (B) to the component (C), (B)/(C), is 0.01 to 0.5.

5. The cosmetic according to any one of claims 1 to 4, wherein a mass ratio of the component (D) to the component (C), (D)/(C), is 0.01 to 0.5.

6. The cosmetic according to any one of claims 1 to 5, wherein a volume median diameter of emulsified particles is 0.1 to 10 μm.

7. A method for producing a cosmetic for protection against ultraviolet radiation, comprising:
an emulsification step of mixing a composition comprising the following components (A), (B), (C) and (D):
(A) 0.18 to 2 mass% of an ionic surfactant;
(B) 1 to 10 mass% of a hydrophobic amphipathic substance;
(C) 1 to 40 mass% of a liquid oil agent comprising an oil-soluble ultraviolet absorber; and
(D) 0.01 to 6 mass% of a solid oil agent,
with (E) water under heating to form an emulsion; and
a cooling step of cooling the emulsion formed in the emulsification step at a cooling rate of 0.5 to 5°C/sec.