petroleum gas). In Patent Documents 3 and 4, since foams are formed, there is no problem with aspiration, but when aliphatic hydrocarbon is used as an aerosol propellant and active ingredients are blended at a high concentration, stability is lowered and a uniform composition cannot be sprayed. In Patent Document 5, too, there is no problem with aspiration because foams are formed, but the composition is in a concentrate-rich state and an amount of the aerosol propellant is small, and therefore, a density of foams is high and there is a problem that in applying and spreading the composition on an object to be coated, dripping of the composition occurs easily.

(0005) The present invention was made in the light of the above-mentioned problems, and an object of the present invention is to provide a foamable aerosol composition, in which though poorly water-soluble active ingredients are blended at a high concentration, a concentrate containing water can be used by using a specific surfactant and a poorly water-soluble liquefied gas, emulsification stability of the concentrate and the liquefied gas is good, and a uniform composition can be sprayed.

MEANS TO SOLVE THE PROBLEM

(0006) The foamable aerosol composition of the present ~~invention~~disclosure is one comprising a concentrate and a liquefied gas, in which the concentrate comprises active ingredients, surfactants, a monovalent alcohol having 2 to 3 carbon atoms and water, the surfactants comprise polyoxyethylene-added fatty acid ester and a nonionic surfactant having HLB of from 8 to 19, the liquefied gas is a poorly water-soluble liquefied gas, a ratio of the concentrate to the liquefied

gas is 60/40 to 10/90 (weight ratio), and the concentrate and the liquefied gas are emulsified.

[0006a] In one aspect, there is provided a foamable aerosol composition comprising a concentrate and a liquefied gas, wherein,
the concentrate comprises active ingredients, surfactants, a monovalent alcohol having 2 to 3 carbon atoms and water,
the active ingredients are poorly water-soluble active ingredients having solubility in water 25°C of less than 10 wt%,
the surfactants comprise polyoxyethylene-added fatty acid ester and a nonionic surfactant having HLB of 8 to 19,
the liquefied gas is a poorly water-soluble liquefied gas,
a ratio of the concentrate to the liquefied gas is 60/40 to 10/90 (weight ratio),
the amount of the poorly water-soluble active ingredients is from 5 to 30 wt% in the concentrate and
the concentrate and the liquefied gas are emulsified.

(0007) In one example, ~~It is preferable that~~ the active ingredients are poorly water-soluble active ingredients having solubility in water at 25°C of less than 10 wt%.

(0008) In another example, ~~It is preferable that~~ the amount of the poorly water-soluble active ingredients is from 5 to 30 wt% in the concentrate.

(0009) In yet another example, ~~It is preferable that~~ the poorly water-soluble active ingredients are antiphlogistic anodynes.

(0010) In yet another example, ~~It is preferable that~~ the amount of the monovalent alcohol having 2 to 3 carbon atoms is from 5 to 40 wt% in the concentrate.

(0011) In yet another example,~~It is preferable that~~ the amount of water is from 40 to 85 wt% in the concentrate.

(0012) In yet another example,~~It is preferable that~~ the polyoxyethylene-added fatty acid ester is polyoxyethylene sorbitan fatty acid ester.

(0013) In yet another example,~~It is preferable that~~ the nonionic surfactant is polyoxyethylene hydrogenated castor oil and/or an ether surfactant.

EFFECT OF THE INVENTION

(0014) According to the present invention, it is possible to provide the foamable aerosol composition, in which though poorly water-soluble active ingredients are blended at a high concentration, a concentrate containing water can be used by dissolving the active ingredients in alcohol and using a specific surfactant and a poorly water-soluble liquefied gas, and since emulsification stability of the concentrate and the liquefied gas is good, a uniform composition can be sprayed even if active ingredients being hardly soluble in water are