CLAIMS

[Claim 1]

A powder detergent composition comprising the following component (a) in an amount of 5.0 mass% or more and 20.0 mass% or less, the following component (b) in an amount of 1.0 mass% or more and 20.0 mass% or less, and the following component (c) in an amount of 0.1 mass% or more and 5.0 mass% or less,

component (a): a surfactant (excluding component (c)) containing one or more anionic surfactants (hereinafter referred to as component (a11)) selected from a polyoxyalkylene alkyl or alkenyl ether sulfate, an α-sulfo fatty acid ester, and a salt of these, wherein a content ratio of the component (a11) in the component (a) is 20 mass% or more,

component (b): a percarbonate, and

component (c): an alkanoyl or alkenoyloxy benzene sulfonic acid or a salt thereof,

wherein a mass ratio of a total content of the components (b) and (c) to a content of the component (a11), [(b) + (c)]/(a11), is 0.5 or more and 2.0 or less,

wherein the component (a) further comprises an anionic surfactant (excluding component (c)) other than component (a11) as component (a12) and,

wherein the component (a12) is one or more selected from an alkylbenzene sulfonic acid, an alkyl or alkenyl sulfate, and a salt of these, and

wherein a mass ratio of a content of component (a11) to a content of component (a12) in component (a), (a11)/(a12), is 0.3 or more and 1.5 or less.

[Claim 2]

A powder detergent composition comprising the following component (a) in an amount of 5.0 mass% or more and 20.0 mass% or less, the following component (b) in an amount of 1.0 mass% or more and 20.0 mass% or less, and the following component (c) in an amount of 0.1 mass% or more and 5.0 mass% or less,

component (a): a surfactant (excluding component (c)) containing one or more anionic surfactants (hereinafter referred to as component (a11)) selected from a polyoxyalkylene alkyl or alkenyl ether sulfate, an α-sulfo fatty acid ester, and a salt of these, wherein a content ratio of the component (a11) in the component (a) is 20 mass% or more,

component (b): a percarbonate, and

component (c): an alkanoyl or alkenoyloxy benzene sulfonic acid or a salt thereof,

wherein a mass ratio of a total content of the components (b) and (c) to a content of the component (a), [(b) + (c)]/(a), is 0.26 or more and 1.0 or less,

wherein the component (a) further comprises an anionic surfactant (excluding component (c)) other than component (a11) as component (a12) and,

wherein the component (a12) is one or more selected from an alkylbenzene sulfonic acid, an alkyl or alkenyl sulfate, and a salt of these, and

wherein a mass ratio of a content of component (a11) to a content of component (a12) in component (a), (a11)/(a12), is 0.3 or more and 1.5 or less.

[Claim 3]

The powder detergent composition according to claim 1 or 2, wherein a content ratio of an anionic surfactant in the component (a) is 50 mass% or more.

[Claim 4]

The powder detergent composition according to claim 1 or 2, wherein a content ratio of the component (a11) in the component (a) is 50 mass% or more.

[Claim 5]

The powder detergent composition according to claim 1 or 2, wherein the component (a11) is a polyoxyalkylene alkyl or alkenyl ether sulfate or a salt thereof.

[Claim 6]

The powder detergent composition according to claim 1 or 2, wherein a mass ratio of a content of the component (b) to a content of the component (c), (b)/(c), is 3.0 or more.

[Claim 7]

The powder detergent composition according to claim 1 or 2, wherein a pH at 25°C of 1 g of the powder detergent composition diluted to 1000 g with ion-exchanged water is 9.0 or more.

[Claim 8]

The powder detergent composition according to claim 1 or 2, wherein the composition is used for textile products.

[Claim 9]

A method for washing a textile product, comprising washing the textile product with a detergent liquid obtained by mixing the powder detergent composition according to claim 1 or 2 and water.