CLAIMS

1. A liquid detergent composition for textile products comprising the following component (A) in an amount of 10% by mass or more and 60% by mass or less, the following component (B), and water:

component (A): an internal olefin sulfonate having 17 or more and 24 or less carbon atoms, wherein a mass ratio of an internal olefin sulfonate having 17 or more and 24 or less carbon atoms with the sulfonate group at position 2 or higher and position 4 or lower (IO-1S) to an internal olefin sulfonate having 17 or more and 24 or less carbon atoms with the sulfonate group at position 5 or higher (IO-2S), (IO-1S)/(IO-2S), is 0.75 or more and 5.5 or less; and

component (B): an organic solvent having a hydroxy group.

2. The liquid detergent composition for textile products according to claim 1, wherein (IO-2S) is an internal olefin sulfonate having 17 or more and 24 or less carbon atoms with the sulfonate group at position 5 or higher and position 9 or lower.

3. The liquid detergent composition for textile products according to claim 1 or 2, wherein the content

of (IO-2S) in the component (A) is 54% by mass or less and more than 0% by mass.

4. The liquid detergent composition for textile products according to any one of claims 1 to 3, wherein a percentage of the component (A) in all anionic surfactants contained in the liquid detergent composition for textile products is 60% by mass or more and 100% by mass or less.

5. The liquid detergent composition for textile products according to any one of claims 1 to 4, wherein the content of the component (B) is 4% by mass or more and 35% by mass or less.

6. The liquid detergent composition for textile products according to any one of claims 1 to 5, wherein content of component (B)/content of component (A), which is a mass ratio of the content of the component (B) to the content of the component (A) is 0.1 or more and 1 or less.

7. The liquid detergent composition for textile products according to any one of claims 1 to 6, wherein the component (B) is one or more selected from the following components (B1) to (B4):

component (B1): a monohydric alcohol having 2 or more and 6 or less carbon atoms;

component (B2): an alcohol having 2 or more and 12 or less carbon atoms and 2 or more and 12 or less hydroxy groups;

component (B3): an organic solvent having a hydrocarbon group with 1 or more and 8 or less carbon atoms, provided that an aromatic group is excluded from the hydrocarbon group, an ether group and a hydroxy group; and

component (B4): an organic solvent having an optionally partially substituted aromatic group, an ether group and a hydroxy group.

8. The liquid detergent composition for textile products according to any one of claims 1 to 7, wherein ClogP of the component (B) is −1.5 or more and 2 or less.

9. The liquid detergent composition for textile products according to claim 7 or 8, wherein the percentage of the content of the organic solvent selected from the component (B3) and the component (B4) and having the ClogP of 0.6 or more and 1.5 or less in the overall component (B) is 40% by mass or more and 100% by mass or less.

10. The liquid detergent composition for textile products according to any one of claims 7 to 9, wherein the monohydric alcohol having 2 or more and 6 or less carbon atoms which is the component (B1) is a compound selected from ethanol, 1-propanol and 2-propanol.

11. The liquid detergent composition for textile products according to any one of claims 7 to 10, wherein the alcohol having 2 or more and 12 or less carbon atoms and 2 or more and 12 or less hydroxy groups which is the component (B2) is a compound selected from ethylene glycol, propylene glycol, butylene glycol, hexylene glycol, diethylene glycol, triethylene glycol, tetraethylene glycol, dipropylene glycol, tripropylene glycol and glycerol.

12. The liquid detergent composition for textile products according to any one of claims 7 to 11, wherein the organic solvent having a hydrocarbon group having 1 or more and 8 or less carbon atoms, an ether group and a hydroxy group which is the component (B3) is a compound selected from diethylene glycol monomethyl ether, diethylene glycol dimethyl ether, triethylene glycol monomethyl ether, diethylene glycol monoethyl ether, diethylene glycol diethyl ether, diethylene glycol monobutyl ether, dipropylene glycol monomethyl ether, dipropylene glycol monoethyl ether, tripropylene glycol

monomethyl ether, 1-methoxy-2-propanol, 1-ethoxy-2-propanol, 1-methyl glycerol ether, 2-methyl glycerol ether, 1,3-dimethyl glycerol ether, 1-ethyl glycerol ether, 1,3-diethyl glycerol ether, triethyl glycerol ether, 1-pentyl glyceryl ether, 2-pentyl glyceryl ether, 1-octyl glyceryl ether and 2-ethylhexyl glyceryl ether.

13. The liquid detergent composition for textile products according to any one of claims 7 to 12, wherein the organic solvent having an optionally partially substituted aromatic group, an ether group and a hydroxy group which is the component (B4) is a compound selected from 2-phenoxyethanol, diethylene glycol monophenyl ether, triethylene glycol monophenyl ether, 2-benzyloxy ethanol and diethylene glycol monobenzyl ether.

14. The liquid detergent composition for textile products according to any one of claims 1 to 13, wherein the content of water is 10% by mass or more and 80% by mass or less.

15. A method for producing a liquid detergent composition for textile products, comprising mixing the following component (A), the following component (B), and water, wherein a percentage of the component (A) in all components to be mixed is 10% by mass or more and 60% by mass or less:

component (A): an internal olefin sulfonate having 17 or more and 24 or less carbon atoms, wherein a mass ratio of an internal olefin sulfonate having 17 or more and 24 or less carbon atoms with the sulfonate group at position 2 or higher and position 4 or lower (IO-1S) to an internal olefin sulfonate having 17 or more and 24 or less carbon atoms with the sulfonate group at position 5 or higher (IO-2S), (IO-1S)/(IO-2S), is 0.75 or more and 5.5 or less; and

component (B): an organic solvent having a hydroxy group.

16. A method for producing a liquid detergent composition for textile products, including mixing the following component (A1), the following component (B) and water, wherein a percentage of the component (A1) in all components to be mixed is 10% by mass or more and 60% by mass or less:

component (A1): an internal olefin sulfonate obtained from an internal olefin having 17 or more and 24 or less carbon atoms, wherein a mass ratio of an olefin having 17 or more and 24 or less carbon atoms with a double bond at position 1 or higher and position 3 or lower (IO-1) to an olefin having 17 or more and 24 or less carbon atoms with a double bond at position 5 or higher (IO-2), (IO-1)/(IO-2) is 0.50 or more and 6.5 or less; and

component (B): an organic solvent having a hydroxy group.

17. A method for washing textile products, including washing the textile products with a detergent liquid containing the liquid detergent composition for textile products according to any one of claims 1 to 14, and water.

18. The method for washing textile products according to claim 17, wherein the content of the component (A) in the detergent liquid is 0.005% by mass or more and 1.0% by mass or less.

19. The method for washing textile products according to claim 17 or 18, wherein the content of the component (B) in the detergent liquid is 0.001% by mass or more and 0.8% by mass or less.