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) in an amount of 4% by mass or more and 40% by mass or less, and water:

component (A): an internal olefin sulfonate having 14 or more and 16 or less carbon atoms, wherein a mass ratio of an internal olefin sulfonate having 14 or more and 16 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 14 or more and 16 or less carbon atoms with the sulfonate group at position 5 or higher (IO-2S), (IO-1S)/(IO-2S), is 1.0 or more and 3.2 or less;

component (B): one or more selected from the following components (B3) and (B4):

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;

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

wherein ClogP of the component (B) is −1.2 or more and 1.5 or less.

2. The liquid detergent composition for textile products according to claim 1, wherein a percentage of the component (A) in all anionic surfactants contained in the liquid detergent composition for textile products is 50% by mass or more and 100% by mass or less.

3. The liquid detergent composition for textile products according to claim 1 or 2, wherein a percentage of an internal olefin sulfonate having 15 or more and 16 or less carbon atoms contained in 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.

4. The liquid detergent composition for textile products according to any one of claims 1 to 3, wherein the organic solvent having a hydrocarbon group having 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 which is the component (B3) is a compound selected from diethylene glycol monomethyl ether, triethylene glycol monomethyl ether, diethylene glycol monoethyl 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, 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 and 2-pentyl glyceryl ether.

5. The liquid detergent composition for textile products according to any one of claims 1 to 4, 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.

6. The liquid detergent composition for textile products according to any one of claims 1 to 5, wherein the content of water is 10% by mass or more and 80% by mass or less.

7. The liquid detergent composition for textile products according to any one of claims 1 to 6, further comprising, as a component (c5), a nonionic surfactant having a hydroxy group or polyoxyalkylene group.

8. The liquid detergent composition for textile products according to claim 7, wherein the component (c5) is a nonionic surfactant which is a polyoxyethylene alkyl ether having an alkyl group with 10 or more and 18 or less carbon atoms and an average number of moles of added alkylene oxide of 3 or more and 60 or less, the alkylene oxide being ethylene oxide and/or propylene oxide.

9. The liquid detergent composition for textile products according to claim 7 or 8, wherein the content of the component (c5) in the composition is 0.5% by mass or more and 40% by mass or less.

10. 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 and a percentage of the component (B) in all components to be mixed is 4% by mass or more and 40% by mass or less:

component (A): an internal olefin sulfonate having 14 or more and 16 or less carbon atoms, wherein a mass ratio of an internal olefin sulfonate having 14 or more and 16 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 14 or more and 16 or

less carbon atoms with the sulfonate group at position 5 or higher (IO-2S), (IO-1S)/(IO-2S), is 1.0 or more and 3.2 or less,

Component (B): one or more selected from the following components (B3) and (B4):

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;

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

wherein ClogP of the component (B) is -1.2 or more and 1.5 or less.

11. The method for producing a liquid detergent composition for textile products according to claim 10, wherein the component (A) is the following component (A1):

component (A1): an internal olefin sulfonate obtained from an internal olefin having 14 or more and 16 or less carbon atoms, wherein the mass ratio of an olefin having 14 or more and 16 or less carbon atoms with a double bond at position 1 or higher and position 3 or lower (IO-1) to an olefin having 14 or more and 16 or less carbon atoms with a double bond at position 5 or

higher (IO-2), (IO-1)/(IO-2) is 0.60 or more and 5.0 or less.

12. A method for washing textile products, comprising washing the textile products with a detergent liquid containing the liquid detergent composition for textile products according to any one of claims 1 to 9, and water.

13. The method for washing textile products according to claim 12, wherein the content of the component (A) in the detergent liquid is 0.005% by mass or more and 1% by mass or less.

14. The method for washing textile products according to claim 12 or 13, wherein the content of the component (B) in the detergent liquid is 0.001% by mass or more and 1% by mass or less.