CLAIMS

1. A liquid detergent composition for hard surfaces, comprising: (a1) an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 8 or more and 12 or less carbons (hereinafter referred to as a component (a1)); a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 8 or more and 24 or less carbons and the number of added moles of the oxyethylene group is 1 or more and 8 or less; and water,

wherein in the amine, a content of (b1) a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 16 or more and 24 or less carbons and the number of added moles of the oxyethylene group is 1 or more and 3 or less (hereinafter referred to as a component (b1)) is 50% by mass or more, and

wherein the total content of the content of component (a1) and the content of component (b1) in all surfactants in the liquid detergent composition is 60% by mass or more and 100% by mass or less.

2. The liquid detergent composition for hard surfaces according to claim 1, wherein a mass ratio of a content of the component (a1) to the content of the component (b1), (a1)/(b1), is 0.1 or more and 20 or less.

3. The liquid detergent composition for hard surfaces according to claim 1 or 2, wherein a content of the component (a1) is 50% by mass or more in an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 8 or more and 18 or less carbons.

4. The liquid detergent composition for hard surfaces according to any one of claims 1 to 3, wherein in the composition, a content of the component (a1) is 0.01% by mass or more and 20% by mass or less, and the content of the component (b1) is 0.01% by mass or more and 20% by mass or less.

5. A liquid detergent composition for hard surfaces which is obtained by formulating (A1) an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 8 or more and 12 or less carbons (hereinafter referred to as a component (A1)); (B1) a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 16 or more and 24 or less carbons and the average number of added moles of the oxyethylene group is 1 or more and 3 or less (hereinafter referred to as a component (B1)); and water, and

wherein the total content of the content of component (A1) and the content of component (B1) in all

surfactants in the liquid detergent composition is 60% by mass or more and 100% by mass or less.

6. A liquid detergent composition for hard surfaces, comprising: (a2) an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 14 or more and 18 or less carbons (hereinafter referred to as a component (a2)); a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 8 or more and 24 or less carbons and the number of added moles of the oxyethylene group is 1 or more and 8 or less; and water,

wherein in the amine, a content of (b2) a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 8 or more and 14 or less carbons and the number of added moles of the oxyethylene group is 1 or more and 3 or less (hereinafter referred to as a component (b2)) is 50% by mass or more, and

wherein the total content of the content of component (a2) and the content of component (b2) in all surfactants in the liquid detergent composition is 60% by mass or more and 100% by mass or less.

7. The liquid detergent composition for hard surfaces according to claim 6, wherein a mass ratio of a content

of the component (a2) to the content of the component (b2), (a2)/(b2), is 0.1 or more and 20 or less.

8. The liquid detergent composition for hard surfaces according to claim 6 or 7, wherein a content of the component (a2) is 50% by mass or more in an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 8 or more and 18 or less carbons.

9. The liquid detergent composition for hard surfaces according to any one of claims 6 to 8, wherein in the composition, a content of the component (a2) is 0.01% by mass or more and 20% by mass or less, and the content of the component (b2) is 0.01% by mass or more and 20% by mass or less.

10. A liquid detergent composition for hard surfaces which is obtained by formulating (A2) an alkyl or alkenyl amine oxide in which the alkyl group or the alkenyl group has 14 or more and 18 or less carbons (hereinafter referred to as a component (A2)); (B2) a monooxyethylene or polyoxyethylene alkyl or alkenyl amine in which the alkyl group or the alkenyl group has 8 or more and 14 or less carbons and the average number of added moles of the oxyethylene group is 1 or more and 3 or less (hereinafter referred to as a component (B2)); and water, and

wherein the total content of the content of component (A2) and the content of component (B2) in all surfactants in the liquid detergent composition is 60% by mass or more and 100% by mass or less.

11. The liquid detergent composition for hard surfaces according to any one of claims 1 to 10, wherein the liquid detergent composition for hard surfaces has a pH of 5 or more and 9 or less.

12. The liquid detergent composition for hard surfaces according to any one of claims 1 to 11, wherein the liquid detergent composition for hard surfaces is intended for a food processing installation or a cooking installation.

13. A method for cleaning a hard surface in which oil spots adhered to the hard surface and including a degenerated oil are removed with the detergent composition according to any one of claims 1 to 12.