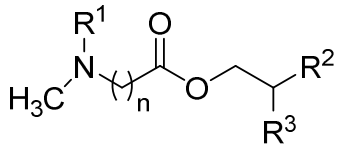
CLAIMS

1. Use as a surfactant of a compound of the following formula:



wherein R^1 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates;

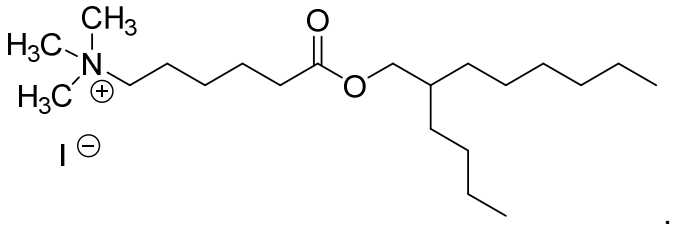
n is an integer from 2 to 5 (including 2 and 5);

R^2 is C_5-C_6 alkyl;

R^3 is C_3-C_4 alkyl;

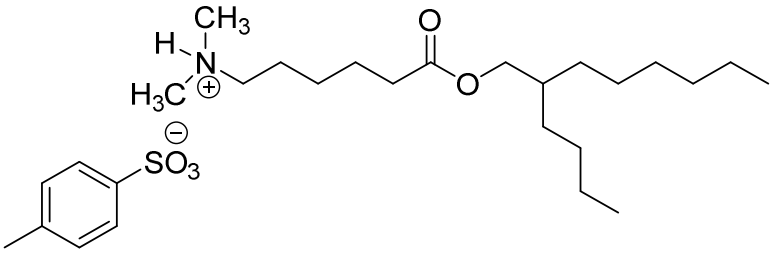
the terminal nitrogen is optionally further substituted with R^4, wherein R^4 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates; and an optional counterion may be associated with the compound and, if present, the counterion may be selected from the group consisting of chloride, bromide, iodide, and 4-methylbenzenesulfonate.

2. The use of Claim 1, wherein the compound is 6-((2-butyloctyl)oxy)-N,N,N-trimethyl-6-oxohexan-1-aminium iodide, having the following formula:



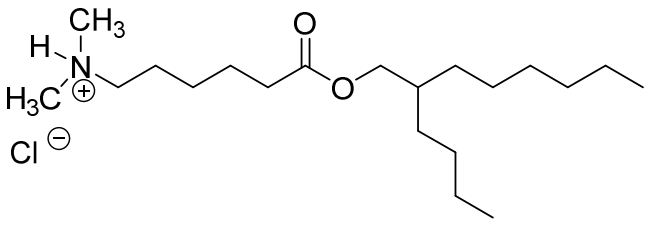
preferably wherein said compound has a critical micelle concentration (CMC) of about 21.30 mmol in water.

3. The use of Claim 1, wherein the compound is 6-((2-butyloctyl)oxy)-N,N-dimethyl-6-oxohexan-1-aminium 4-methylbenzenesulfonate, having the following formula:



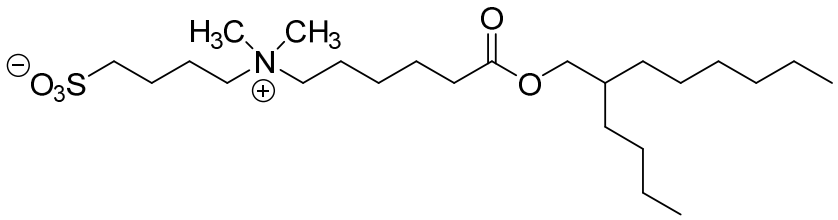
preferably when said compound has a critical micelle concentration (CMC) of about 0.97 mmol in water,
or a surface tension in water equal to or less than 30 mN/m at a surface age of 100 ms or greater.

4. The use of Claim 1, wherein the compound is 6-((2-butyloctyl)oxy)-N,N-dimethyl-6-oxohexan-1-aminium chloride, having the following formula:



preferably when said compound has a critical micelle concentration (CMC) of about 27.47 mmol in water.

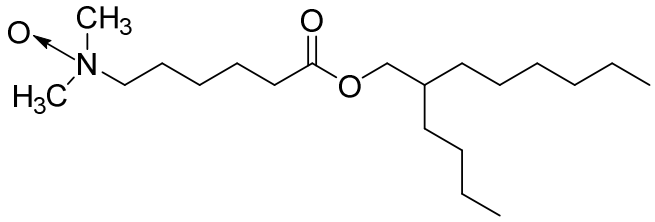
5. The use of Claim 1, wherein the compound is 4-((6-((2-butyloctyl)oxy)-6-oxohexyl)dimethylammonio)butane-1-sulfonate, having the following formula:



preferably wherein said compound has a critical micelle concentration (CMC) of about 0.54 mmol in water,

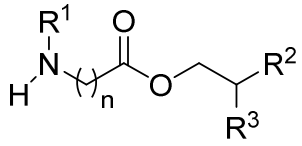
or a surface tension in water equal to or less than 36 mN/m at a surface age of 100 ms or greater.

6. The use of Claim 1, wherein the compound is 2-butyloctyl 6-(dimethylamino)hexanoate N-oxide, having the following formula:



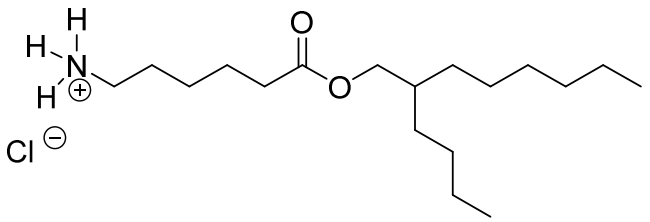
preferably wherein said compound has a critical micelle concentration (CMC) of about 0.29 mmol in water,
or a surface tension in water equal to or less than 30 mN/m at a surface age of 1,000 ms or greater.

7. Use as a surfactant of a compound of the following formula:



wherein R^1 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates;
n is an integer from 2 to 5 (including 2 and 5);
R^2 is C_5-C_{12} alkyl;
R^3 is C_3-C_{10} alkyl;
the terminal nitrogen is optionally further substituted with R^4, wherein R^4 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates; and an optional counterion may be associated with the compound and, if present, the counterion may be selected from the group consisting of chloride, bromide and iodide.

8. The use of Claim 7, wherein the compound is 6-((2-butyloctyl)oxy)-6-oxohexan-1-aminium chloride, having the following formula:

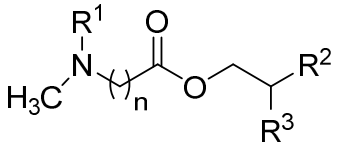


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preferably wherein said compound has a critical micelle concentration (CMC) of about 0.15 mmol in water,

or a surface tension in water equal to or less than 49 mN/m at a surface age of 1,000 ms or greater.

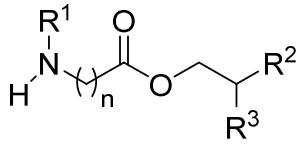
9. Use as a surfactant of a compound of the following formula:



wherein R^1 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates;
n is an integer from 2 to 5 (including 2 and 5);
R^2 is C_5-C_6 alkyl;
R^3 is C_3-C_4 alkyl;
the terminal nitrogen is optionally further substituted with R^4, wherein R^4 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates; and an optional counterion may be associated with the compound and, if present, the counterion may be selected from the group consisting of chloride, bromide, iodide, and 4-methylbenzenesulfonate
in a liquid composition, wherein said liquid composition further comprises a medium.

10. The use of Claim 9, wherein the medium is water.

11. Use as a surfactant of a compound of the following formula:



wherein R^1 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates;
n is an integer from 2 to 5 (including 2 and 5);
R^2 is C_5-C_{12} alkyl;
R^3 is C_3-C_{10} alkyl;
the terminal nitrogen is optionally further substituted with R^4, wherein R^4 is chosen from hydrogen, an oxygen atom, and C_1-C_6 alkyl, wherein the C_1-C_6 alkyl may be substituted with carboxylates, hydroxyls, sulfonyls, or sulfonates; and an optional counterion may be associated with the compound and, if present, the counterion may be selected from the group consisting of chloride, bromide and iodide,
in a liquid composition, wherein said liquid composition further comprises a medium.

12. The use of Claim 11, wherein the medium is water.