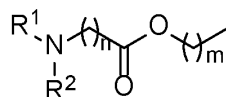


CLAIMS

1. A formulation for an ink fixer fluid, comprising:
at least one surfactant of Formula I,



Formula I

wherein R¹ and R² may be the same or different, and may be selected from the group consisting of hydrogen and C₁-C₆ alkyl, wherein the C₁-C₆ alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

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

m is an integer from 9 to 20 (including 9 and 20);

the terminal nitrogen is optionally further substituted with R³, wherein R³ is selected from the group consisting of hydrogen, oxygen, hydroxyl, and C₁-C₆ alkyl, wherein the C₁-C₆ alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

an optional counterion associated with the compound which, if present, is selected from the group consisting of chloride, bromide, iodide, and hydroxide;

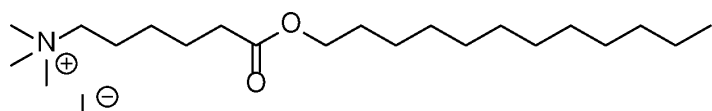
a fixer agent; and

water.

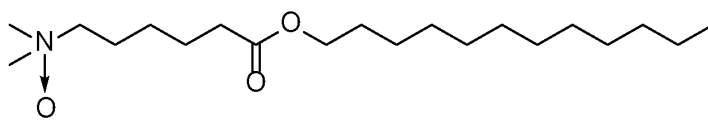
2. The formulation of Claim 1, wherein the fixer agent is a metal carboxylate.
3. The formulation of either Claim 1 or Claim 2, further comprising a humectant.
4. The formulation of any of Claims 1-3, further comprising an acid.
5. The formulation of any of Claims 1-4, further comprising an aqueous vehicle.

6. The formulation of any of Claims 1-5, further comprising a colorant dispersed in an aqueous vehicle.

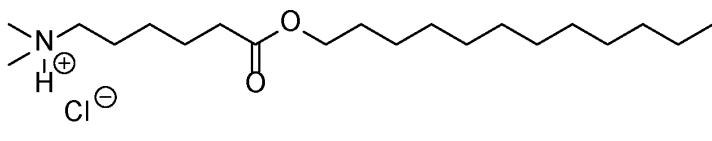
7. The formulation of any of Claims 1-6, wherein the surfactant comprises at least one of 6-(dodecyloxy)-N,N,N-trimethyl-6-oxohexan-1-aminium iodide, having the following formula:



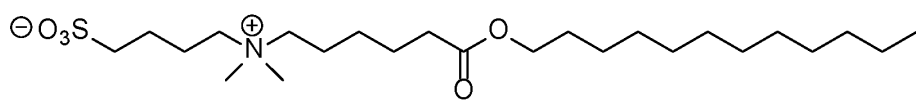
dodecyl 6-(dimethylamino)hexanoate *N*-oxide, having the following formula:



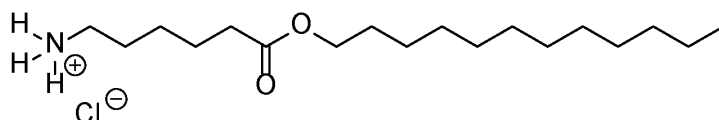
6-(dodecyloxy)-N,N-dimethyl-6-oxohexan-1-aminium chloride, having the following formula:



4-((6-(dodecyloxy)-6-oxohexyl)dimethylammonio)butane-1-sulfonate, having the following formula:

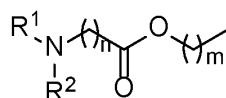


6-(dodecyloxy)-6-oxohexan-1-aminium chloride, having the following formula:



combinations thereof.

8. A formulation for a paint, comprising:
at least one surfactant of Formula I,



Formula I

wherein R¹ and R² may be the same or different, and may be selected from the group consisting of hydrogen and C₁-C₆ alkyl, wherein the C₁-C₆ alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

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

m is an integer from 9 to 20 (including 9 and 20);

the terminal nitrogen is optionally further substituted with R³, wherein R³ is selected from the group consisting of hydrogen, oxygen, hydroxyl, and C₁-C₆ alkyl, wherein the C₁-C₆ alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

an optional counterion associated with the compound which, if present, is selected from the group consisting of chloride, bromide, iodide, and hydroxide;

at least one of a latex and a binder; and

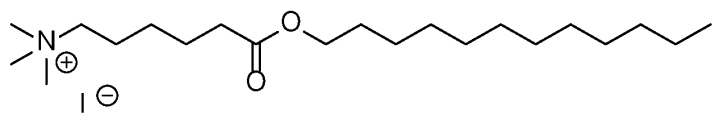
water.

9. The formulation of Claim 8, further comprising one or more driers.

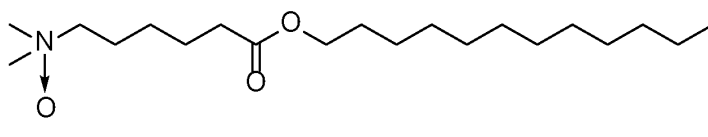
10. The formulation of either Claim 8 or Claim 9, further comprising one or more solvents.

11. The formulation of any of Claims 8-10, further comprising at one or more pigments.

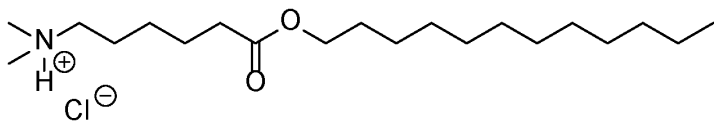
12. The formulation of any of Claims 8-11, wherein the surfactant comprises at least one of 6-(dodecyloxy)-N,N,N-trimethyl-6-oxohexan-1-aminium iodide, having the following formula:



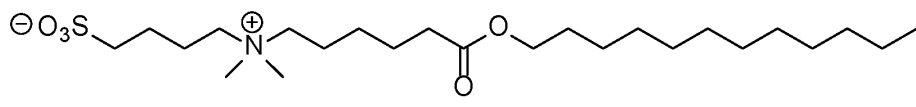
dodecyl 6-(dimethylamino)hexanoate *N*-oxide, having the following formula:



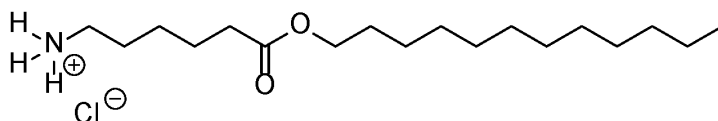
6-(dodecyloxy)-N,N-dimethyl-6-oxohexan-1-aminium chloride, having the following formula:



4-((6-(dodecyloxy)-6-oxohexyl)dimethylammonio)butane-1-sulfonate, having the following formula:

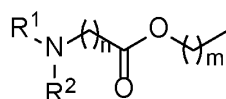


6-(dodecyloxy)-6-oxohexan-1-aminium chloride, having the following formula:



combinations thereof.

13. A formulation for an adhesive, comprising:
at least one surfactant of Formula I,



Formula I

wherein R^1 and R^2 may be the same or different, and may be selected from the group consisting of hydrogen and C_1 - C_6 alkyl, wherein the C_1 - C_6 alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

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

m is an integer from 9 to 20 (including 9 and 20);

the terminal nitrogen is optionally further substituted with R^3 , wherein R^3 is selected from the group consisting of hydrogen, oxygen, hydroxyl, and C_1 - C_6 alkyl, wherein the C_1 - C_6 alkyl may optionally be substituted with one or more substituents selected from the group consisting of hydroxyl, amino, amido, sulfonyl, sulfonate, carbonyl, carboxyl, and carboxylate;

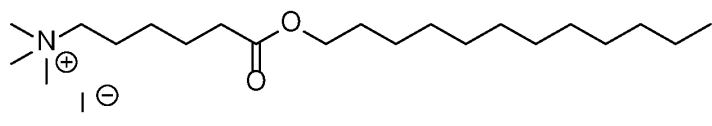
an optional counterion associated with the compound which, if present, is selected from the group consisting of chloride, bromide, iodide, and hydroxide;

an adhesive;

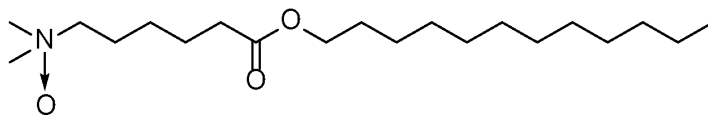
water.

14. The formulation of Claim 13, further comprising a filling agent.

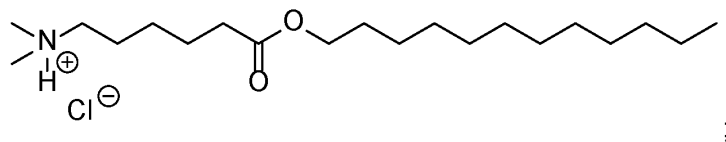
15. The formulation of either Claim 13 or Claim 14, wherein the surfactant comprises at least one of 6-(dodecyloxy)- N,N,N -trimethyl-6-oxohexan-1-aminium iodide, having the following formula:



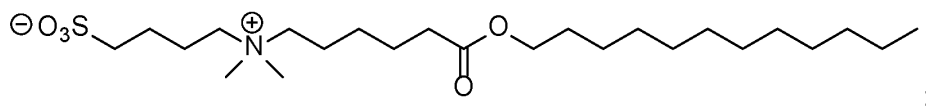
dodecyl 6-(dimethylamino)hexanoate *N*-oxide, having the following formula:



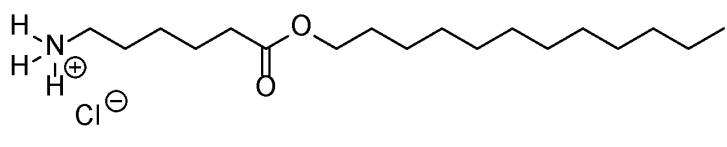
6-(dodecyloxy)-N,N-dimethyl-6-oxohexan-1-aminium chloride, having the following formula:



4-((6-(dodecyloxy)-6-oxohexyl)dimethylammonio)butane-1-sulfonate, having the following formula:



6-(dodecyloxy)-6-oxohexan-1-aminium chloride, having the following formula:



combinations thereof.