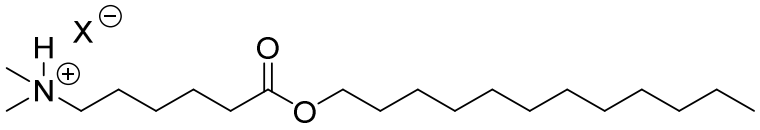
CLAIMS

1. A liquid composition comprising:

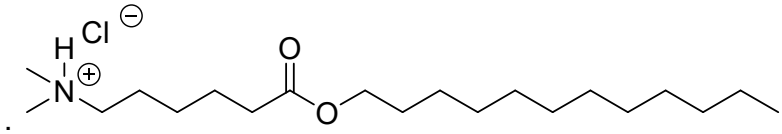
   water; and

   a surfactant of the following formula:



   wherein X is an anion selected from the group consisting of chloride, bromide, iodide, and hydroxide.

2. The liquid composition of claim 1, wherein X is bromide.
3. The liquid composition of claim 1, wherein X is iodide.
4. The liquid composition of claim 1, wherein X is hydroxide.
5. The liquid composition of claim 1, wherein X is chloride.
6. The liquid composition of claim 1, wherein the surfactant is 6-(dodecyloxy)-N,N-dimethyl-6-oxohexan-1-aminium chloride, having the following formula:



7. The liquid composition of claim 6, wherein the surfactant has a critical micelle concentration (CMC) of about 1.4 mmol in water.
8. The liquid composition of claim 6, wherein the surfactant has a plateau value of a minimum surface tension in water of about 30 mN/m.
9. The liquid composition of claim 6, wherein the surfactant has a surface tension in water equal to or less than 33 mN/m at a concentration of 2.7 mmol or greater.
10. The liquid composition of claim 6, wherein the surfactant has a surface tension in water equal to or less than 40 mN/m at a surface age of 100 ms or greater.