The Claims defining the Invention are as follows:

1. Use of a composition comprising an ester or amide containing quaternary ammonium salt ("amide/ester quat") for improving the water shedding performance of a fuel composition, wherein the amide/ester quat comprises the reaction product of:

a) a quaternizable compound that is the reaction product of:

(i) a hydrocarbyl-substituted acylating agent, wherein the hydrocarbyl-substituent has a number average molecular weight ranging from 350 to 650, and comprises at least one polyisobutenyl succinic anhydride or polyisobutenyl succinic acid;

(ii) a nitrogen containing compound having an oxygen or nitrogen atom capable of reacting with said hydrocarbyl-substituted acylating agent to form an ester or amide, and further having at least one quaternizable amino group; and

b) a quaternizing agent suitable for converting the quaternizable amino group of the nitrogen containing compound to a quaternary nitrogen.

2. The use of claim 1, wherein the hydrocarbyl-substituted acylating agent has a number average molecular weight ranging from 400 to 650.

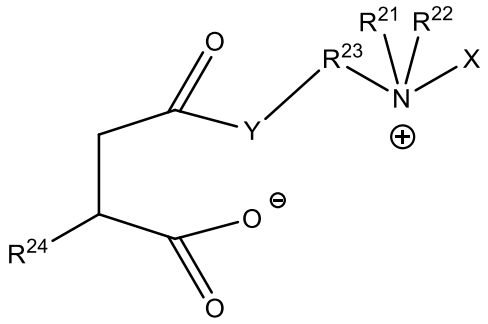
3. The use of claim 2, wherein the hydrocarbyl-substituted acylating agent has a number average molecular weight ranging from 400 to 600.

4. The use of any previous claim, wherein the quaternizing agent comprises at least one dialkyl sulfate, alkyl halide, hydrocarbyl substituted carbonate, hydrocarbyl epoxide, carboxylate, alkyl ester, or mixtures thereof.

5. The use of claim 4, wherein the quaternizing agent is a hydrocarbyl epoxide, preferably in combination with an acid, or wherein the quaternizing agent is an oxalate or terephthalate.

6. The use of any previous claim wherein the quaternizing agent excludes methyl salicylate.

7. The use of any previous claim, wherein the amide/ester quat comprises compounds having the structure:



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wherein R^{21} and R^{22} are hydrocarbyl groups containing from 1 to 10 carbon atoms; R^{23} is a hydrocarbylene group containing from 1 to 20 carbon atoms; R^{24} is a hydrocarbyl group containing from 20 to 55 carbon atoms, or from 25 to 50, or from 28 to 43 or 47 carbon atoms; X is a group derived from the quaternizing agent; and Y is oxygen or nitrogen.

8. The use of any previous claim, wherein the composition further comprises at least one other additive preferably which comprises a detergent, a dispersant, a demulsifier, a lubricity agent, a cold flow improver, an antioxidant, or a mixture thereof.

9. The use of claim 8, wherein the at least one other additive comprises at least one hydrocarbyl-substituted succinic acid, preferably wherein the hydrocarbyl-substituent is a polyisobutylene having a number average molecular weight ranging from 100 to 5000.

10. The use of any previous claim, wherein the fuel is a fuel that is liquid at room temperature.

11. The use of claim 10, wherein the fuel is gasoline or diesel.

12. The use of claim 10 or claim 11, wherein the fuel further comprises from 0.01 to 25 ppm of a metal and from 1 to 12 ppm of a corrosion inhibitor, wherein the corrosion inhibitor is an alkenyl succinic acid comprising at least one of dodecenyl succinic acid (DDSA), hexadecenyl succinic acid (HDSA), or mixtures thereof.