CLAIMS

1. A composition comprising a diesel fuel and at least one acrylamide polymer prepared by polymerizing:

a (meth)acrylamide monomer and a (meth)acrylate monomer to yield a heteropolymer; wherein the acrylamide polymer comprises a heteropolymer prepared from a (meth)acrylate monomer comprising tert-butyl acrylate;

wherein the at least one polymer is present in the diesel fuel in an amount from 0.1 ppm to 3000 ppm by weight, based on a total weight of the composition.

2. The composition of claim 1, further comprising at least one acrylate polymer prepared by polymerizing one or more (meth)acrylate monomers comprising a C_1 to C_{30} alkyl-substituted (meth)acrylate.

3. The composition of claim 2, wherein the acrylate polymer is at least one of a copolymer, block polymer, random polymer, terpolymer, or combinations thereof.

4. The composition of claim 2 or 3, comprising:

(i) from 1 wt% to 99 wt% (or 5 wt% to 95 wt%) of the acrylamide polymer; and

(ii) from 99 wt% to 1 wt% (or 95 wt% to 5 wt%) of the acrylate polymer.

5. The composition of any claim 1 to 4, wherein the (meth)acrylamide monomer comprises a mono- or di-C_1 to C_{27} alkyl-substituted (meth)acrylamide.

6. The composition of any claim 1 to 5, wherein the (meth)acrylamide monomer comprises a mono- or di-C_1 to C_{12} alkyl-substituted (meth)acrylamide.

7. The composition of any claim 1 to 6, wherein the (meth)acrylamide monomer comprises N,N-diethylacrylamide ("NNDEAD"), N-(tertbutyl)acrylamide ("NTBAD"), or combinations thereof.

8. The composition of any claim 1 to 7, wherein the at least one polymer has a weight average molecular weight ("M_w") of from 10,000 to 350,000 Da.

9. The composition of any claim 1 to 8, wherein the at least one polymer has a M_w of from 30,000 to 200,000 Da.

10. The composition of any claim 1 to 9, wherein the at least one polymer is present in the diesel fuel in an amount from 1 ppm to 100 ppm by weight, based on a total weight of the diesel fuel composition.

11. The use of an acrylamide polymer as defined in any claim 1 to 10 to reduce foam in a diesel fuel.