

What is claimed is:

1. A lubricating composition comprising:
 - a) at least one oil of lubricating viscosity; and
 - b) an antifoam component comprising a poly(acrylate) copolymer including:
 - (i) from about 30 wt% up to about 99 wt% of a (meth)acrylate monomer having C₁ to C₄ alkyl esters of (meth)acrylic acid; and
 - (ii) from about 1 wt% up to about 70 wt% of a fluorinated (meth)acrylate monomer;the antifoam component having a M_w of at least 1,000 Daltons.
2. The lubricating composition of claim 1, wherein the lubricating composition comprises:
 - a) at least one oil of lubricating viscosity; and
 - b) an antifoam component comprising a poly(acrylate) copolymer including:
 - (i) from about 30 wt% up to about 99 wt% of a (meth)acrylate monomer having C₁ to C₃ alkyl esters of (meth)acrylic acid; and
 - (ii) from about 1 wt% up to about 70 wt% of a fluorinated (meth)acrylate monomer;the antifoam component having a M_w of at least 10,000 Daltons.
3. A lubricating composition comprising:
 - a) at least one oil of lubricating viscosity; and
 - b) an antifoam component comprising a poly(acrylate) copolymer including:
 - (i) from about 10 wt% up to about 60 wt% of a (meth)acrylate monomer having C₁ to C₃ alkyl esters of (meth)acrylic acid; and
 - (ii) from about 2 wt% up to about 70 wt% of a fluorinated (meth)acrylate monomer; and
 - (iii) from about 10 wt % up to about 70 wt% of a (meth)acrylate comonomer having C₄ to C₁₂ alkyl esters of (meth)acrylic acid;

the antifoam component having a M_w of at least 1,000 Daltons.

4. The lubricating composition of claim 3, wherein the lubricating composition comprises:

- a) at least one oil of lubricating viscosity; and
- b) an antifoam component comprising a poly(acrylate) copolymer including:
 - (i) from about 10 wt% up to about 60 wt% of a (meth)acrylate monomer having C_1 to C_3 alkyl esters of (meth)acrylic acid; and
 - (ii) from about 20 wt% up to about 70 wt% of a fluorinated (meth)acrylate monomer; and
 - (iii) from about 10 wt % up to about 60 wt% of a (meth)acrylate comonomer having C_4 to C_8 alkyl esters of (meth)acrylic acid;

the antifoam component having a M_w of at least 10,000 Daltons.

5. The lubricating composition of any claim 1 to 4, wherein the at least one oil of lubricating viscosity is a Group I oil, Group II oil, Group III oil, Group IV oil, Group V oil, or mixtures thereof.

6. The lubricating composition of any claim 1 to 5, wherein the at least one oil of lubricating viscosity is a Group I oil, Group III oil, Group IV oil, Group V oil, or mixtures thereof.

7. The lubricating composition of any claim 1 to 6, wherein the (meth)acrylate monomer (i) comprises ethyl (meth)acrylate or propyl (meth)acrylate.

8. The lubricating composition of any claim 1 to 2 or 5 to 7, wherein the (meth)acrylate monomer (i) is present in an amount of about 40 wt% up to about 80 wt%, and the fluorinated (meth)acrylate (ii) monomer is present in an amount of about 20 wt% up to about 60 wt%.

9. The lubricating composition of any claim 3 to 7, wherein the (meth)acrylate monomer (i) is present in an amount of about 20 wt% up to about 55 wt%, the fluorinated (meth)acrylate monomer (ii) is present in an amount of about 5 wt% up to about 50 wt%; and the (meth)acrylate comonomer (iii) is present in an amount of about 20 wt% up to about 75 wt%.

10. The lubricating composition of any claim 1 to 9, further comprising a phosphorus-containing anti-wear agent, a silicon-containing anti-foam agent, or combinations thereof.
11. The lubricating composition of claim 10, comprising dialkyl hydrogen phosphite, poly dialkylsiloxane, or combinations thereof.
12. The lubricating composition of claim 10 or 11, comprising dialkyl hydrogen phosphite, poly dialkylsiloxane, and/or fluorinated poly dialkylsiloxane.
13. The lubricating composition of any claim 10 to 12, comprising dibutyl phosphite.
14. The lubricating composition of any claim 3 to 7 or 9 to 13, wherein the (meth)acrylate comonomer (iii) comprises 2-ethylhexyl (meth)acrylate, 3,5,5-trimethylhexyl (meth)acrylate, or combinations thereof.
15. The lubricating composition of any claim 3 to 7 or 9 to 14, wherein the (meth)acrylate monomer (i) is ethyl (meth)acrylate and the acrylate comonomer (iii) is 2-ethylhexyl (meth)acrylate.
16. The lubricating composition of any claim 1 to 15, wherein the fluorinated (meth)acrylate monomer is branched or linear.
17. The lubricating composition of any claim 1 to 16, wherein the fluorinated (meth)acrylate monomer comprises at least one of 2,2,2-trifluoroethyl (meth)acrylate, 1,1,1,3,3,3-hexafluoroisopropyl (meth)acrylate, 2,2,3,3,4,4,5,5-octafluoropentyl (meth)acrylate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluoroundecyl (meth)acrylate, 2,2,3,4,4,4-hexafluorobutyl (meth)acrylate, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl (meth)acrylate, or combinations thereof.
18. The lubricating composition of any claim 1 to 17, wherein the (meth)acrylate monomer (i) is ethyl acrylate and the fluorinated (meth)acrylate monomer (ii) is 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl (meth)acrylate.
19. The lubricating composition of any claim 1 to 18, wherein the antifoam component has a M_w of from about 10,000 Da to about 350,000 Da, or about 10,000 to about 200,000 Da, or about 10,000 Da to about 120,000 Da.

20. The lubricating composition of any claim 1 to 19, wherein the antifoam component is present in the lubricating composition in an amount of at least 1ppm, 10 to 800 ppm, or 30 to 400 ppm.
21. The lubricating composition of any claim 1 to 20, further comprising at least one additive that is a dispersant, viscosity modifier, friction modifier, detergent, antioxidant, seal swell agent, anti-wear agent, or combinations thereof.
22. The lubricating composition of any claim 1 to 21, wherein said lubricating composition has a kinematic viscosity ("KV") at 100°C of equal to or less than 5 cSt.
23. A method of lubricating a mechanical device comprising supplying to the mechanical device the lubricating composition of any claim 1 to 22.
24. The method of claim 21, wherein the mechanical device comprises a driveline device.
25. The method of claim 24, wherein the driveline device comprises an axle, a gear, a gearbox or a transmission.
26. The method of claim 23 wherein the mechanical device comprises an internal combustion engine.
27. The method of claim 23, wherein the mechanical device comprises a hydraulic system, a turbine system, a circulating oil system, a refrigeration lubricant system, or an industrial gear.
28. A method of foam inhibition in a mechanical device comprising contacting the mechanical device with the lubricating composition of any claim 1 to 22.
29. The method of any claim 23 to 28, wherein the mechanical device comprises at least one silicon-containing gasket.
30. Use of the antifoam component in the lubricating composition of any claim 1 to 22 to improve foam inhibition in a mechanical device.
31. Use of the antifoam component in the lubricating composition of any claim 10 to 22 to increase the foam performance of said lubricating composition.