WHAT IS CLAIMED IS:

1. A composition, comprising:

i) trans-1,2-dichloroethylene;

ii) a second component which is a hydrofluoroether selected from HFE-7200 and HFE-7300; and

iii) a third component which is methyl perfluoroheptene ether.

2. The composition of claim 1, wherein the composition does not further comprise a compound selected from a C_{1-6} alcohol, a C_{3-6} ketone, a C_{5-8} alkane, a C_{3-6} cycloalkane, and a C_{1-6} alkyl acetate.

3. The composition of claim 1, wherein the composition does not further comprise a compound selected from methanol, ethanol, isopropanol, acetone, n-hexane, cyclopentane, and ethyl acetate.

4. The composition of any one of claims 1 to 3, which is an azeotrope composition.

5. The composition of any one of claims 1 to 3, which is an azeotrope-like composition.

6. The composition of any one of claims 1 to 5, wherein the composition comprises about 5 weight percent to about 45 weight percent HFE-7200.

7. The composition of any one of claims 1 to 5, wherein the composition comprises about 1 weight percent to about 30 weight percent HFE-7300.

8. The composition of any one of claims 1 to 7, wherein the methyl perfluoroheptene ether comprises a mixture of about 50 weight percent 5-methoxy perfluoro-3-heptene, about 20 weight percent 3-methoxy perfluoro-3-heptene, about 20 weight percent 4-methoxy perfluoro-2-heptene, and about 8 weight percent 4-methoxy perfluoro-3-heptene.

9. The composition of any one of claims 1 to 8, wherein the composition comprises about 1 weight percent to about 5 weight percent methyl perfluoroheptene ether.

10. The composition of any one of claims 1 to 9, wherein the composition comprises about 65 weight percent to about 98 weight percent trans-1,2-dichloroethylene.

11. The composition of any one of claims 1 to 5, wherein the composition comprises trans-1,2-dichloroethylene, HFE-7300, and methyl perfluoroheptene ether.

12. The composition of claim 1, wherein the composition comprises:

i) about 75 weight percent to about 90 weight percent trans-1,2-dichloroethylene;

ii) about 5 weight percent to about 20 weight percent HFE-7300; and

iii) about 1 weight percent to about 5 weight percent methyl perfluoroheptene ether.

13. A method for removing at least a portion of residue from the surface of a substrate comprising contacting the substrate with the composition of any one of claims 1 to 12.

14. The method of claim 13, wherein the composition further comprises a surfactant, said contacting is accomplished by vapor degreasing and the vapor degreasing is performed by boiling the composition to form vapors of said composition and exposing at least a portion of residue from the surface of a substrate to said vapors.

15. The method of claim 13 or 14, wherein the substrate is selected from stainless steel and magnetic disk media.

16. The method of any one of claims 13 to 15 wherein the residue is selected from flux, lubricant, grease, oil, wax, and combination thereof.

17. A process for dissolving a solute, comprising contacting and mixing said solute with a sufficient quantity of the composition of any one of claims 1 to 12.

18. A process of cleaning a surface, comprising contacting the composition of any one of claims 1 to 12 with said surface.

19. A process for removing at least a portion of water from the surface of a wetted substrate, comprising contacting the substrate with the composition of any one of claims 1 to 12, and then removing the substrate from contact with the composition, wherein composition further comprises at least one surfactant suitable for dewatering or drying the substrate.

20. A process of depositing a fluorolubricant on a surface, comprising:

a) combining a fluorolubricant and a solvent to form a lubricant-solvent combination, wherein the solvent comprises a composition of any one of claims 1 to 12;

b) contacting the lubricant-solvent combination with the surface; and

c) evaporating the solvent from the surface to form a fluorolubricant coating on the surface.