CLAIMS

1. A composition comprising HFO-1234yf and one additional compound of HFO-1225zc, wherein the composition further comprises from 1 ppm to 1000 ppm of HFC-245cb.

2. The composition of claim 1 further comprising at least one compound selected from the group consisting of HCFC-243db and HFC-245fa.

3. The composition of claim 1 containing less than about 1 weight percent of said additional compound, based on the total weight of the composition.

4. The composition of any one of claims 1 through 3, further comprising HF.

5. The composition of any one of claims 1 through 3, that is acid free.

6. A method for producing cooling comprising evaporating a composition of any one of claims 1 to 3 in the vicinity of a body to be cooled, and thereafter condensing said composition.

7. A method for producing heat comprising condensing a composition of any one of claims 1-3 in the vicinity of a body to be heated, and thereafter evaporating said compositions.

8. A method of forming a foam comprising: (a) adding to a foamable composition a composition of any one of claims 1-3; and (b) processing the foamable composition under conditions effective to form a foam.

9. A process for producing aerosol products comprising the step of adding a composition of any one of claims 1-3 to a formulation, including active ingredients in an aerosol container, wherein said composition functions as a propellant.

10. A method for recharging a heat transfer system that contains a refrigerant to be replaced and a lubricant, said method comprising removing the refrigerant to be replaced from the heat transfer system while retaining a substantial portion of the lubricant in said system and introducing one of the compositions of claims 1 through 5 comprising HFO-1234yf to the heat transfer system.

11. A mobile heat transfer system comprising a composition of any one of claims 1 through 5.

12. Use of a composition of any of claims 1 through 5 in a mobile heat transfer system.