CLAIMS

1. A composition comprising HFO-1234yf, HCFC-244bb, HFO-1225zc and at least one additional compound selected from the group consisting of HCO-1250xf, HCC-260da, HCC-260db, HCC-240aa, HCO-1230xa, HCFO-1233xf, HCFO-1233zd, HCFC-244db, HFO-1234ze, HFO-1243zf, HCFO-1223za, HCFO-1224zb, HCFC-241db, HCFC-242dc, HCFO-1232xf, HCFO-1231xf, and HCFO-1233yf, the composition containing greater than 0 and less than 0.5 weight percent of HCFC-244bb, HFO-1225zc and said additional compound, based on the total weight of the composition, and from 1 ppm to 1000 ppm of HFC-245cb.

2. The composition of claim 1, further comprising HCFO-1232xf.

3. The composition of claim 2, further comprising at least one compound selected from the group consisting of HCFC-243db, HCFO-1233xf, HCFO-1231xf, HCFC-242dc and HCFC-241db.

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

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

6. The composition of any one of claims 1 through 4 that are acid free.

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

8. A method for producing heat comprising condensing a composition of any of claims 1-6 in the vicinity of a body to be heated, and thereafter evaporating said compositions.

9. A method of forming a foam comprising: (a) adding to a foamable composition a composition of any of claims 1-6; and (b) processing the foamable composition under conditions effective to form a foam.

10. A process for producing aerosol products comprising the step of adding a composition of any of claims 1-6 to a formulation, including active ingredients in an aerosol container, wherein said composition functions as a propellant.