What is claimed is:

1. A heat transfer system comprising

a. a heat transfer fluid comprising,

i. 45 to 80 wt.% water,

ii. 15 to 45 wt.% C2-C18 alkylene glycol, and

iii. 0.01 to 15 wt.% a soap comprising a C_2 - C_{18} metal carboxylate selected from disodium succinate and dipotassium succinate, wherein the wt% are based on the weight of the heat transfer fluid, and

b. a circulation system for circulating the heat transfer fluid in close contact to electrical componentry.

2. The heat transfer system of claim 1, wherein the water is demineralized water.

3. The heat transfer system of claim 1, wherein the C_2 - C_{18} alkylene glycol comprises ethylene glycol or propylene glycol.

4. The heat transfer system of claim 1, wherein the soap comprises disodium succinate.

5. The heat transfer system of claim 1, wherein the heat transfer fluid further comprises a corrosion inhibitor.

6. The heat transfer system of claim 1, wherein the heat transfer fluid further comprises an antioxidant.

7. A method of dispersing heat from electrical componentry comprising,

a. providing a heat transfer system in close contact with the electrical componentry,

b. circulating through said heat transfer system a heat transfer fluid as defined in claim 1, and

c. operating the electrical componentry and the heat transfer system.

8. The method of claim 7, wherein the electrical componentry comprises a battery module, and operating the battery module comprises charging the battery module such that at least 75% of the total battery module capacity is restored in a time period of less than 15 minutes.