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.% C_2-C_{18} alkylene glycol, and

iii. 0.01 to 15 wt.% a soap comprising ~~at least one of~~ a C_2 - C_{18} metal carboxylate~~, ethanolamine carboxylate, or mixtures thereof,~~

~~wherein the C_2-C_{18} metal carboxylate includes disodium sebacate, disodium dodecanedioate or disodium suberate, and combinations thereof, or disodium adipate,~~ selected from disodium succinate~~, disodium azelate, or disodium undecanedioate, and wherein the ethanolamine carboxylate includes ethanolamine sebacate, ethanolamine dodecanedioate, or ethanolamine suberate, and combinations thereof, or ethanolamine adipate, ethanolamine~~ and dipotassium succinate, ~~ethanolamine azelate, or ethanolamine undecanedioate,~~

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 ~~adipate or 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 heat transfer system comprising~~

~~a. a heat transfer fluid comprising,~~

~~i. 45 to 80 wt.% water,~~

~~ii. C_2-C_{18} alkylene glycol, and~~

~~iii. a soap comprising a C_2-C_{18} metal di-carboxylate,~~

~~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.~~

~~8.~~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 ~~or claim 7~~, and~~;~~

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

~~9.~~8. The method of claim ~~8~~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.