What is claimed is:

1) A spray-on burn dressing comprising: a film-forming polymer and 20% aluminum oxide particles.

2) A dressing of claim 1 further comprising a solvent.

3) A dressing of claim 2 further comprising heparan sulfate.

4) A dressing of claim 1 wherein said film-forming polymer is methyl vinyl ether / maleic acid copolymer, wherein said aluminum oxide particles have a diameters between about 5 and about 100 nanometers, and further including isopropanol and water.

5) Use of a thermally conductive composition comprising a film-forming polymer with 20% aluminum oxide particles, in the manufacture of a medicament for treating a burn.

6) The use of claim 5, wherein the medicament is to be applied via aerosol spray.

7) A burn dressing composition comprising: about 1% to about 20% of methyl vinyl ether / maleic acid copolymer, about 10% to about 90% isopropanol, about 10% to about 40% water, and about 20% aluminum oxide microparticles.

8) A burn dressing of claim 7 comprising about 2% of methyl vinyl ether / maleic acid copolymer, about 50% isopropanol, about 28% water, and about 20% aluminum oxide microparticles.

9) A burn dressing of claim 8 where said aluminum oxide microparticles have a mean size of about 10 micrometers.

10) Use of a composition comprising a film-forming polymer and 20% aluminum oxide particles in the manufacture of a medicament for healing burnt skin, wherein said medicament improves heat dissipation from the burnt skin.

11) The spray-on burn dressing of claim 1,for use in treating a burn.

12) The spray-on burn dressing of claim 1, for use in healing burnt skin, wherein said dressing improves heat dissipation from the burnt skin.

13) The spray-on burn dressing of claim 1, wherein the spray-on burn dressing is tack-free in less than a minute.