

CLAIMS

1. A composition for extinguishing fire, comprising an aqueous solution of a surfactant and a deliquescent anionic salt, characterized in that said surfactant is polyether modified trisiloxane.
2. The composition as claimed in claim 1, wherein said aqueous solution includes at least 0.5% by weight of said surfactant.
3. The composition as claimed in claim 1, wherein said polyether modified trisiloxane is 3-(3-Hydroxypropyl)-heptamethyltrisiloxane, ethoxylated, hydroxyl terminated.
4. The composition as claimed in claim 1, wherein said anionic salt is a mono-valence anionic salt.
5. The composition as claimed in claim 1, wherein said anionic salt is a di-valence anionic salt.
6. The composition as claimed in claim 5, wherein said di-valence anionic salt is calcium chloride.
7. The composition as claimed in claim 1, wherein said aqueous solution includes 5% by weight of said deliquescent anionic salt.
8. The composition as claimed in claim 1, wherein said burning surface is a hydrophilic surface.
9. The composition as claimed in claim 1, wherein said burning surface is a hydrophobic surface.
10. A method (100) for extinguishing fire, comprising the step of: mixing a surfactant and a deliquescent anionic salt in water to form an aqueous solution (110) and spreading said aqueous solution over a burning surface (120), characterized in that said surfactant is polyether modified trisiloxane.
11. The method (100) as claimed in claim 10, wherein said aqueous solution includes at least 0.5% by weight of said surfactant.

12. The method (100) as claimed in claim 10, wherein said polyether modified trisiloxane is 3-(3-Hydroxypropyl)-heptamethyltrisiloxane, ethoxylated, hydroxyl terminated.
13. The method (100) as claimed in claim 10, wherein said aqueous solution
5 includes at least 5% by weight of said deliquescent anionic salt.
14. The method (100) as claimed in claim 10, wherein said anionic salt is a mono-valence anionic salt.
15. The method (100) as claimed in claim 10, wherein said anionic salt is a di-valence anionic salt.
- 10 16. The method (100) as claimed in claim 10, wherein said anionic salt is at least one of sodium chloride and calcium chloride.
17. The method (100) as claimed in claim 10, wherein said step of spreading said aqueous solution over said burning surface (120) includes filling a fire extinguishing device with said aqueous solution and discharging said
15 aqueous solution from said fire extinguishing device to spread said aqueous solution over said burning surface.
18. The method (100) as claimed in claim 10, wherein said burning surface is a hydrophilic surface.
19. The method (100) as claimed in claim 10, wherein said burning surface is a
20 hydrophobic surface.