CLAIMS

1. An ectoparasiticidal composition comprising a mixture of a carrier and an active with an emulsifying agent, the carrier comprising a non-volatile low viscosity siloxane having a viscosity in the range of 10 to 1000 centistokes inclusive and the active comprising a non-volatile high viscosity siloxane having a viscosity of at least 1000 centistokes, both the low viscosity siloxane and the high viscosity siloxane having a closed cup flash point of at least 100° C.

2. A composition as claimed in Claim 1, wherein both the low viscosity siloxane and the high viscosity siloxane comprise a dimeticone or a dimeticonol or a mixture of same.

3. A composition as claimed in Claim 1 or Claim 2, wherein the mixture has a viscosity in excess of 30 centistokes.

4. A composition as claimed in any of Claims 1 to 3, wherein both the low viscosity siloxane and the high viscosity siloxane have a surface tension of 20 mN/m.

5. A composition as claimed in any of Claims 1 to 4, wherein the emulsifying agent comprises a silicone copolymer.

6. A composition as claimed in Claim 5, comprising at least 1% by volume of the silicone copolymer.

7. A composition as claimed in Claim 5 or Claim 6, comprising between 1% and 10% by volume of the silicone copolymer.

8. A composition as claimed in any of Claims 1 to 7, wherein emulsifying agent comprises a 40% solution of a dimeticone copolymer dispersed in cyclopentasiloxane.

9. A composition as claimed in any of Claims 1 to 8, wherein the low viscosity siloxane has a viscosity in the range of 10 to 100 centistokes inclusive.

10. A composition as claimed in any of Claims 1 to 9, wherein the high viscosity siloxane has a viscosity in the range of 50,000 to 200,000 centistokes inclusive.

11. A composition as claimed in any of Claims 1 to 10, wherein the high viscosity siloxane comprises at least 0.1% by volume of the composition.

12. A composition as claimed in any of Claims 1 to 11, comprising an essential oil or essential oils.

13. A composition as claimed in Claim 12, wherein the essential oil or oils comprise one or more terpenes.

14. A composition as claimed in Claim 12 or Claim 13, wherein the essential oil comprises nerolidol.

15. A composition as claimed in any of Claims 12 to 14, wherein the essential oil or essential oils comprise at least 0.1% by volume of the composition.

16. A composition as claimed in any of Claims 12 to 14, wherein the essential oil or essential oils comprise up to 2% by volume of the composition.

17. A composition as claimed in any of Claims 1 to 16, comprising

4% by volume of a dimeticone having a viscosity of 100,000 centistokes;

between 1% and 4% by volume of an emulsifying agent comprising a dimeticone copolymer;

up to 2% by volume of nerolidol; and

a balance of a dimeticone having a viscosity of between 10 and 100 centistokes.

18. A composition as claimed in Claims 17, comprising a balance of a dimeticone having a viscosity of 50 centistokes.

19. A composition as claimed in Claims 17, comprising a balance of a dimeticone having a viscosity of 10 centistokes.

20. A composition as claimed in any of Claims 1 to 19, comprising a thixotropic additive to thicken the composition when in use.

21. A composition as claimed in Claim 20, wherein the thixotropic additive comprises silicon dioxide nano-size particles and is at least 0.1% by volume of the composition.

22. A composition for use in the treatment or prophylaxis of a human or animal of an infestation by ectoparasites wherein the composition comprises a mixture of a carrier and an active with an emulsifying agent, the carrier comprising a non-volatile low viscosity siloxane having a viscosity in the range of 10 to 1000 centistokes inclusive and the active comprising a non-volatile high viscosity siloxane having a viscosity of at least 1000 centistokes, both the low viscosity siloxane and the high viscosity siloxane having a closed cup flash point of at least 100° C

23. A composition as claimed in Claim 22 for use in the treatment or prophylaxis of a head lice infestation.

24. A method of controlling an ectoparasitical infestation which comprises applying to said ectoparasite or its ovum a composition as claimed in any of Claims 1 to 23.

CLAIMS

1. An ectoparasiticidal composition comprising a mixture of a carrier and an active with an emulsifying agent, the carrier comprising a non-volatile low viscosity siloxane having a viscosity in the range of 10 to 1000 centistokes inclusive at 25°C and the active comprising a non-volatile high viscosity siloxane having a viscosity of at least 1000 centistokes at 25°C , both the low viscosity siloxane and the high viscosity siloxane having a closed cup flash point of at least 100° C.

2. A composition as claimed in Claim 1, wherein both the low viscosity siloxane and the high viscosity siloxane comprise a dimeticone or a dimeticonol or a mixture of same.

3. A composition as claimed in Claim 1, wherein the mixture has a viscosity in excess of 30 centistokes at 25°C.

4. A composition as claimed in Claim 1, wherein both said low viscosity siloxane and said high viscosity siloxane have a surface tension of 20 mN/m.

5. A composition as claimed in Claim 1, wherein said emulsifying agent comprises a silicone copolymer.

6. A composition as claimed in Claim 5, comprising at least 1% by volume of the silicone copolymer.

7. A composition as claimed in Claim 5, comprising between 1% and 10% by volume of the silicone copolymer.

8. A composition as claimed in Claim 1, wherein said emulsifying agent comprises a 40% solution of a dimeticone copolymer dispersed in cyclopentasiloxane.

9. A composition as claimed in Claim 1, wherein said low viscosity siloxane has a viscosity in the range of 10 to 100 centistokes inclusive at 25°C.

10. A composition as claimed in Claim 1, wherein said high viscosity siloxane has a viscosity in the range of 50,000 to 200,000 centistokes at 25°C inclusive.

11. A composition as claimed in Claim 1, wherein said high viscosity siloxane comprises at least 0.1% by volume of the composition.

12. A composition as claimed in Claim 1, comprising an essential oil or essential oils.

13. A composition as claimed in Claim 12, wherein the essential oil or oils comprise one or more terpenes.

14. A composition as claimed in Claim 12, wherein the essential oil comprises nerolidol.

15. A composition as claimed in Claim 12, wherein the essential oil or essential oils comprise at least 0.1% by volume of the composition.

16. A composition as claimed in Claim 12, wherein the essential oil or essential oils comprise up to 2% by volume of the composition.

17. A composition as claimed in Claim 1, comprising

4% by volume of a dimeticone having a viscosity of 100,000 centistokes;

between 1% and 4% by volume of an emulsifying agent comprising a dimeticone copolymer;

up to 2% by volume of nerolidol; and

a balance of a dimeticone having a viscosity of between 10 and 100 centistokes at 25°C .

18. A composition as claimed in Claims 17, comprising a balance of a dimeticone having a viscosity of 50 centistokes at 25°C .

19. A composition as claimed in Claims 17, comprising a balance of a dimeticone having a viscosity of 10 centistokes at 25°C .

20. A composition as claimed in Claim 1, comprising a thixotropic additive to thicken the composition when in use.

21. A composition as claimed in Claim 20, wherein the thixotropic additive comprises silicon dioxide nano-size particles and is at least 0.1% by volume of the composition.

22. A composition for use in the treatment or prophylaxis of a human or animal of an infestation by ectoparasites wherein the composition comprises a mixture of a carrier and an active with an emulsifying agent, the carrier comprising a non-volatile low viscosity siloxane having a viscosity in the range of 10 to 1000 centistokes inclusive at 25°C and the active comprising a non-volatile high viscosity siloxane having a viscosity of at least 1000 centistokes at 25°C, both the low viscosity siloxane and the high viscosity siloxane having a closed cup flash point of at least 100° C

23. A composition as claimed in Claim 22 for use in the treatment or prophylaxis of a head lice infestation.