WHAT IS CLAIMED IS:

1. A composition comprising:

a dielectric fluid comprising an oil component, the oil component comprising one or both of crambe oil and high erucic acid rapeseed oil and one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

2. The composition of claim 1 wherein the oil component has a erucic acid content of at least 45 wt%.

3. The composition of claim 1 wherein the oil component has a erucic acid content of at least 50 wt%.

4. The composition of claim 1 wherein the oil component has a erucic acid content of at least 55 wt%.

5. The composition of claim 1 wherein the oil component has a erucic acid content of at least 60 wt%.

6. The composition of claim 1 further comprising an antioxidant.

7. The composition of claim 1 further comprising a metal scavenger.

8. The composition of claim 1 wherein the oil comprises at least 76 wt% mono-unsaturated fatty acids.

9. The composition of claim 1 wherein the oil comprises about 70 to about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 30 to about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

10. The composition of claim 1 wherein the oil comprises about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

11. An article comprising:

electrical equipment containing a dielectric fluid comprising an oil component, the oil component comprising one or both of crambe oil and high erucic acid rapeseed oil and one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

12. The article of claim 11 wherein the oil component has a erucic acid content of at least 45 wt%.

13. The article of claim 11 wherein the oil component has a erucic acid content of at least 50 wt%.

14. The article of claim 11 wherein the oil component has a erucic acid content of at least 55 wt%.

15. The article of claim 11 wherein the oil component has a erucic acid content of at least 60 wt%.

16. The article of claim 11 further comprising one or both of an antioxidant and a metal scavenger.

17. The article of claim 11 wherein the oil comprises at least 76 wt% mono-unsaturated fatty acids.

18. The article of claim 11 wherein the oil comprises about 70 to about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 30 to about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

19. The article of claim 11 wherein the oil comprises about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

20. The article of claim 11 wherein the electrical equipment is a transformer.

CLAIMS

1. A composition comprising:

   a dielectric fluid comprising an oil component, the oil component comprising one or both of crambe oil and high erucic acid rapeseed oil and one or both of esterified crambe oil and esterified high erucic acid rapeseed oil,

   wherein the oil component has a erucic acid content of at least 45 wt%.

2. The composition of claim 1 wherein the oil component has a erucic acid content of at least 50 wt%.

3. The composition of claim 1 wherein the oil component has a erucic acid content of at least 55 wt%.

4. The composition of claim 1 wherein the oil component has a erucic acid content of at least 60 wt%.

5. The composition of claim 1 further comprising an antioxidant.

6. The composition of claim 1 further comprising a metal scavenger.

7. The composition of claim 1 wherein the oil comprises at least 76 wt% mono-unsaturated fatty acids.

8. The composition of claim 1 wherein the oil comprises about 70 to about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 30 to about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

9. The composition of claim 1 wherein the oil comprises about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

10. An article comprising:

    electrical equipment containing a dielectric fluid comprising an oil component, the oil component comprising one or both of crambe oil and

high erucic acid rapeseed oil and one or both of esterified crambe oil and esterified high erucic acid rapeseed oil, wherein the oil component has a erucic acid content of at least 45 wt%.

11. The article of claim 10 wherein the oil component has a erucic acid content of at least 50 wt%.

12. The article of claim 10 wherein the oil component has a erucic acid content of at least 55 wt%.

13. The article of claim 10 wherein the oil component has a erucic acid content of at least 60 wt%.

14. The article of claim 10 further comprising one or both of an antioxidant and a metal scavenger.

15. The article of claim 10 wherein the oil comprises at least 76 wt% mono-unsaturated fatty acids.

16. The article of claim 10 wherein the oil comprises about 70 to about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 30 to about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

17. The article of claim 10 wherein the oil comprises about 95 wt% of one or both of crambe and high erucic acid rapeseed oil and about 5 wt% of one or both of esterified crambe oil and esterified high erucic acid rapeseed oil.

18. The article of claim 10 wherein the electrical equipment is a transformer.