

-continued

Commercial Products				
BRAND (Manufacturer)	DESCRIPTION	VISCOSITY (cp)	AMT. OF THICKENER (g/100 ml)	CHARACTERISTICS OF FORMULA
(Gallia)	formula Rice cereal added to infant formula	800	8.0	when stored in refrigerator. Formula is hypercaloric: additional 10 calories/100 ml. Cereal settles out. Bottle nipple needs to be enlarged.

\*Added to formula per label instructions.

What is claimed is:

1. An infant formula comprising a waxy grain starch thickening agent in an amount effective to ameliorate regurgitation in infants wherein said formula has a caloric density of not more than 24 Cal./Fl. oz.

2. The infant formula of claim 1 wherein the effective amount of thickening agent is about 1.8 to 5 g per 100 Calories of formula.

3. The infant formula of claim 1 wherein the effective amount of thickening agent is about 2 to about 4.7 g per 100 Calories of formula.

4. The infant formula of claim 1 wherein the effective amount of thickening agent is about 2 to about 3 g per 100 Calories of formula.

5. The infant formula of claim 1 wherein said thickening agent is selected from the group consisting of waxy rice starch, waxy corn starch, or a mixture thereof and said caloric density is not more than about 20 Cal./Fl. oz.

6. The infant formula of claim 5 wherein said waxy rice starch or waxy corn starch comprises at least about 95% amylopectin by weight.

7. The infant formula of claim 5 wherein said waxy rice starch or waxy corn starch comprises at least about 98% amylopectin by weight.

8. The infant formula of claim 5 wherein said thickening agent is waxy rice starch wherein the effective amount of thickening agent is from about 2 to about 3 g per 100 Calories of formula.

9. The infant formula of claim 1 having a Brookfield viscosity of about 35 to about 150 cp, wherein said thickening agent is a waxy grain starch selected from the group consisting of waxy rice starch, waxy corn starch, waxy sorghum starch, and a mixture thereof.

10. The infant formula of claim 1 wherein said formula does not separate into two phases or gel into a solid mass when prepared in a form to feed and is stored overnight in the refrigerator.

11. The infant formula of claim 1 comprising, per 100 Kcal of total formula, about 1.8 g to about 4.5 g protein, about 3.3 g to about 6 g lipid, about 7 g to about 14 g carbohydrate, and from about 1.8 to 5 g of said thickening agent.

12. The infant formula of claim 11 further comprising vitamins and minerals, wherein said thickening agent is a waxy rice starch and said formula has a caloric density not more than about 20 Cal./Fl. oz.

13. The infant formula of claim 1 further comprising nutrients in an amount sufficient to sustain healthy human life for an extended period.

14. An infant formula of claim 1 wherein said formula has a caloric density of not more than 20 Cal./Fl. oz. and when constituted as a liquid, the osmolality of said infant formula is from about 200 to about 400 mOsm/kg H<sub>2</sub>O.

15. The infant formula of claim 1 which has a caloric density of not more than 20 Cal./fl. oz.

16. The infant formula of claim 1 which has a caloric density of greater than 20 Cal./fl. oz. and not more than 24 Cal./fl. oz.

17. The infant formula of claim 1 wherein said formula has calories from protein, fat and carbohydrate proportions similar to human milk.

18. A method of treating regurgitation in an infant in need of treatment comprising administering to said infant an effective amount of an infant formula comprising a waxy grain starch thickening agent in an amount effective to ameliorate regurgitation in infants.

19. The method of claim 18 wherein the effective amount of thickening agent is about 2 to about 4.7 g per 100 calories of formula.

20. The method of claim 18 wherein said thickening agent is selected from the group consisting of waxy rice starch, waxy corn starch, or a mixture thereof.

21. The method of claim 18 wherein said thickening agent is selected from the group consisting of waxy rice starch or waxy corn starch and said starch comprises at least about 98% amylopectin by weight.

22. The method of claim 18 wherein said infant formula is in a form ready to use and does not separate into two phases nor gel into a solid mass when stored overnight in the refrigerator.

23. The method of claim 18 wherein said infant formula comprises, per 100 Kcal of total formula, about 1.8 g to about 4.59 g protein, about 3.3 g to about 6 g lipid, and about 7 g to about 14 g carbohydrate, and further comprises vitamins and minerals.

24. The method of claim 23 wherein said infant formula further comprises nutrients in an amount sufficient to sustain healthy human life for an extended period.

25. The method of claim 18 wherein said infant formula is not hypercaloric.

26. The method of claim 18 wherein said infant formula has a caloric density of not more than 20 Cal./fl. oz.

27. The method of claim 18 wherein said infant formula has a caloric density of greater than 20 Cal./fl. oz. and not more than 24 Cal./fl. oz.

28. The infant formula of claim 18 wherein said formula has calories from protein, fat and carbohydrate in proportions similar to human milk.