What is claimed is:

1. A dual phase mouthwash comprising

   a hydrophilic phase, a hydrophobic phase, a hydrotrope, and a preservative wherein the preservative comprises (i) sodium benzoate and (ii) potassium sorbate and/or methylisothiazolinone and wherein the mouthwash comprises (a) .05% - 0.5% sodium benzoate and (b) 0.05% - 0.2% potassium sorbate and/or 0.0005 %– 0.01% MIT.

2. The mouthwash of claim 1 wherein the hydrotrope component comprises glycerin and/or propylene glycol.

3. The mouthwash of any of the preceding claims wherein the hydrophobic phase comprises an oil selected from isopropyl myristate, mineral oil, an edible oil, and combinations thereof.

4. The mouthwash of any of the preceding claims wherein the hydrophilic phase comprises the hydrotrope component.

5. The mouthwash of any of the preceding claims wherein the hydrophilic phase further comprises cetylpyridinium chloride, e.g., in an amount of from 0.01 – 0.1%, e.g., 0.05%.

6. The mouthwash of any of the preceding claims further comprising a pyrophosphate.

7. The mouthwash of any of the preceding claims further comprising a synthetic anionic polymeric polycarboxylate.

8. The mouthwash of any of the preceding claims further comprising a fluoride ion source.

9. The mouthwash of any of the preceding claims which is ethanol-free.

10. The mouthwash of any of the preceding claims further comprising one or more of humectants, flavorings, and surfactants.

11. The mouthwash of any of the preceding claims wherein the hydrophilic phase comprises an effective amount of the preservative.

12. Use of the mouthwash of any of the preceding claims in the manufacture of a medicament for

    a. reducing or inhibiting formation of dental caries,

    b. reducing, repairing or inhibiting early enamel lesions,

c. reducing or inhibiting demineralization and promoting remineralization of the teeth,

d. reducing hypersensitivity of the teeth,

e. reducing or inhibiting gingivitis,

f. promoting healing of sores or cuts in the mouth,

g. inhibiting microbial biofilm formation in the oral cavity,

h. raising and/or maintaining plaque pH at levels of at least pH 5.5 following sugar challenge,

i. reducing plaque accumulation,

j. treating, relieving or reducing dry mouth,

k. whitening teeth,

l. enhancing systemic health, including cardiovascular health,

m. reducing erosion of the teeth,

n. immunizing the teeth against cariogenic bacteria and their effects, and/or

o. cleaning the teeth and oral cavity.

13. A dual phase mouthwash according to any of claims 1 to 11 for use in a method to

a. reduce or inhibit formation of dental caries,

b. reduce, repair or inhibit early enamel lesions,

c. reduce or inhibit demineralization and promote remineralization of the teeth,

d. reduce hypersensitivity of the teeth,

e. reduce or inhibit gingivitis,

f. promote healing of sores or cuts in the mouth,

g. inhibit microbial biofilm formation in the oral cavity,

h. raise and/or maintain plaque pH at levels of at least pH 5.5 following sugar challenge,

i. reduce plaque accumulation,

j. treat, relieve or reduce dry mouth,

k. whiten teeth,

l. enhance systemic health, including cardiovascular health,

m. reduce erosion of the teeth,

n. to immunize the teeth against cariogenic bacteria and their effects, and/or

o. clean the teeth and oral cavity.

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What is claimed is:

1. A dual phase mouthwash comprising

a hydrophilic phase, a hydrophobic phase, a hydrotrope, and a preservative wherein the preservative comprises (i) sodium benzoate and (ii) potassium sorbate and/or methylisothiazolinone and wherein the mouthwash comprises (a) .05% - 0.5% sodium benzoate and (b) 0.05% - 0.2% potassium sorbate and/or 0.0005 %– 0.01% MIT.

2. The mouthwash of claim 1 wherein the hydrotrope component comprises glycerin and/or propylene glycol.

3. The mouthwash of any of the preceding claims wherein the hydrophobic phase comprises an oil selected from isopropyl myristate, mineral oil, an edible oil, and combinations thereof.

4. The mouthwash of any of the preceding claims wherein the hydrophilic phase comprises the hydrotrope component.

5. The mouthwash of any of the preceding claims wherein the hydrophilic phase further comprises cetylpyridinium chloride, e.g., in an amount of from 0.01 – 0.1%, e.g., 0.05%.

6. The mouthwash of any of the preceding claims further comprising a pyrophosphate.

7. The mouthwash of any of the preceding claims further comprising a synthetic anionic polymeric polycarboxylate.

8. The mouthwash of any of the preceding claims further comprising a fluoride ion source.

9. The mouthwash of any of the preceding claims which is ethanol-free.

10. The mouthwash of any of the preceding claims further comprising one or more of humectants, flavorings, and surfactants.

11. The mouthwash of any of the preceding claims wherein the hydrophilic phase comprises an effective amount of the preservative.

12. A method to improve oral health comprising applying an effective amount of the mouthwash of any of the preceding claims to the oral cavity of a subject in need thereof to

   a. reduce or inhibit formation of dental caries,

   b. reduce, repair or inhibit early enamel lesions,

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c. reduce or inhibit demineralization and promote remineralization of the teeth,

d. reduce hypersensitivity of the teeth,

e. reduce or inhibit gingivitis,

f. promote healing of sores or cuts in the mouth,

g. inhibit microbial biofilm formation in the oral cavity,

h. raise and/or maintain plaque pH at levels of at least pH 5.5 following sugar challenge,

i. reduce plaque accumulation,

j. treat, relieve or reduce dry mouth,

k. whiten teeth,

l. enhance systemic health, including cardiovascular health,

m. reduce erosion of the teeth,

n. to immunize the teeth against cariogenic bacteria and their effects, and/or

o. clean the teeth and oral cavity.

13. A dual phase mouthwash according to any of claims 1 to 11 for use in a method to

a. reduce or inhibit formation of dental caries,

b. reduce, repair or inhibit early enamel lesions,

c. reduce or inhibit demineralization and promote remineralization of the teeth,

d. reduce hypersensitivity of the teeth,

e. reduce or inhibit gingivitis,

f. promote healing of sores or cuts in the mouth,

g. inhibit microbial biofilm formation in the oral cavity,

h. raise and/or maintain plaque pH at levels of at least pH 5.5 following sugar challenge,

i. reduce plaque accumulation,

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j. treat, relieve or reduce dry mouth,

k. whiten teeth,

l. enhance systemic health, including cardiovascular health,

m. reduce erosion of the teeth,

n. to immunize the teeth against cariogenic bacteria and their effects, and/or

o. clean the teeth and oral cavity.

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