8. The composition of any preceding claim, wherein the substrate is glucose.

9. The composition of claim 2, wherein the abrasive is one member chosen from abrasive silica, sodium metaphosphate, potassium metaphosphate, tricalcium phosphate, dihydrated dicalcium phosphate, aluminum silicate, calcined alumina, bentonite or other siliceous materials, or combinations thereof.

10. The composition of claim 3, wherein the fluoride source is one member chosen from sodium fluoride, potassium fluoride, sodium fluorosilicate, sodium monfluorophosphate (MFP), ammonium fluorosilicate, stannous fluoride and stannous chloride.

11. The composition of claim 6, wherein the flavoring agent is one member chosen from oil of wintergreen, oil of peppermint, oil of spearmint, oil of sassafras, oil of clove, aspartame, acesulfame, saccharin, dextrose, levulose and sodium cyclamate and combinations thereof.

12. A method of whitening a tooth surface comprising contacting the tooth surface with a stable, non-aqueous dentifrice composition according to any preceding claim.

13. A stable, non-aqueous dentifrice composition according to any of claims 1 to 11, for use in the treatment of oral calculus accumulation.

14. Use of a stable, non-aqueous dentifrice composition according to any of claims 1 to 11, in the manufacture of a medicament for the treatment of oral calculus accumulation.