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(54) Title: ORAL CARE ULTRAMULSION BASED PRODUCTS

(57) Abstract

The present invention is directed to oral care ULTRAMULSION™ based oral care products, including, toothpastes, treated flosses and dental stimulators, interdental coating substances, oral rinses, mouth/throat conditioning internal treatment products, and anti-gingivitis products. All of these products are improved when an ULTRAMULSION™ dispersion containing silicone and a surfactant is used as taught herein. The ULTRAMULSION™ dispersions of the present invention combine certain characteristics of emulsions with certain features of microemulsions. Like conventional emulsions, they are two phase systems comprising a silicone dispersed in a continuous, surfactant phase, wherein the silicone is insoluble in the surfactant. Unlike conventional emulsions, but like microemulsions, these dispersions are stable. Unlike microemulsions, but like conventional emulsions, mechanical work is required to form ULTRAMULSION™ dispersions. Unlike microemulsions, but like conventional emulsions, these ULTRAMULSION™ dispersions are not formed spontaneously. Like conventional emulsions, the ULTRAMULSION™ dispersions do not contain a cosolvent commonly found in microemulsions.