

Title (en)
CO-CRYSTALLIZED SURFACTANT BLEND

Title (de)
CO-KRISTALLISIERTE TENSID-MISCHUNG

Title (fr)
MELANGE D'AGENTS TENSIOACTIFS CO-CRISTALLISES

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Abstract (en)
[origin: WO124643A1] This invention relates to a method for producing a particulate co-crystallized surfactant blend for use in food processing, comprising the steps of: (a) blending a first surfactant, comprising a compound selected from the group consisting of edible salts of stearyl lactylate, diacetic tartaric acid esters of monoglycerides and mixtures thereof, with the second surfactant, comprising a monoglyceride preparation selected from the group consisting of concentrated monoglycerides having an Iodine Value between 1 and 70, mono-diglycerides having an Iodine Value between 1 and 70 and mixtures thereof, to produce a combination, wherein the ratio of the first surfactant to the second surfactant is between 2:8 and 8:2, by weight; (b) processing the combination by mixing and heating to a temperature sufficient to produce a molten blend; and (c) processing the molten blend by cooling and forming particles. Preferably, the first surfactant comprises sodium stearyl lactylate, the second surfactant comprises a distilled monoglyceride with an Iodine Value of between 1 and 30, and the ratio of the first surfactant to the second surfactant is about 1:1, by weight. The invention also relates to a particulate co-crystallized surfactant blend produced by this method, to methods for using this co-crystallized surfactant blend, and to foods incorporating it.

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