

Title (en)

Liquid compositions containing carboxylic esters.

Title (de)

Carbonsäureester enthaltende flüssige Zusammensetzungen.

Title (fr)

Compositions liquides contenant des esters d'acides carboxyliques.

Publication

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Application

EP 93303330 A 19930428

Priority

US 87491192 A 19920428

Abstract (en)

This invention relates to a liquid composition comprising (A) at least one fluorine-containing hydrocarbon containing one to three carbon atoms; and (B) at least one carboxylic ester of (I) a neo hydroxy compound selected from the group consisting of (i) a neo hydroxy compound with two or three hydroxyl groups, (ii) a mixture of neo hydroxy compounds having an average of less than about 3.5 hydroxyl groups per hydroxy compound, (iii) a neo hydroxy compound having five or more hydroxyl groups per hydroxy compound, and (iv) a mixture of neo hydroxy compounds having an average of greater than 4.5 hydroxyl groups per hydroxy compound, and (II) a combination of (a) a monocarboxylic acylating agent having four or five carbon atoms and (b) a monocarboxylic acylating agent having from about 7 to about 15 carbon atoms, provided that when (I) is (i) or (ii) then greater than 55% of the ester groups are derived from (IIa), and provided that when (I) is (iii) or (iv) then greater than 55 % of the ester groups are derived from (IIb). Liquid compositions also are described wherein the fluorine-containing hydrocarbons also contain other halogen such as chlorine. The liquid compositions are useful particularly as refrigeration liquids in refrigerators and air-conditioners including automotive, home, commercial, and industrial air-conditioners.

IPC 1-7

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IPC 8 full level

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