

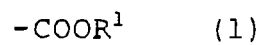
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ABSTRACT

The refrigerating machine oil composition of the present invention is a refrigerating machine oil composition comprising an alicyclic dicarboxylic acid ester compound containing an alicyclic ring and two ester groups represented by the following general formula (1):



where R^1 represents a hydrocarbon group of 1-30 carbons,

the two ester groups bonded to mutually adjacent carbon atoms on the alicyclic ring, wherein the molar ratio of cis-forms and trans-forms for the orientation of the two ester groups of the alicyclic dicarboxylic acid ester compound is from 20/80 to 80/20. When used together with HFC refrigerants and natural refrigerants such as carbon dioxide and hydrocarbons, it can yield a refrigerant machine oil composition with excellent lubricity, miscibility with refrigerants, heat and hydrolytic stability and electric insulating property, which can also provide high efficiency to refrigeration systems.



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