

Title (en)
Lubricant

Title (de)
Schmiermittel

Title (fr)
Lubrifiant

Publication
EP 2228425 A1 20100915 (DE)

Application
EP 09002878 A 20090227

Priority
EP 09002878 A 20090227

Abstract (en)

Composition comprises: (a) an ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and 2-8C polyol having 2-4 hydroxyl groups; (b) an ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and oxoalcohol mixture consisting of an alcohol (I) and/or (II); and (c) ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and an alcohol (III). Composition comprises: (a) an ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and 2-8C polyol having 2-4 hydroxyl groups; (b) an ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and oxoalcohol mixture consisting of an alcohol of formula (R1-CH(CH3)-CH2OH) (I) and/or an alcohol of formula (R1-(CH2)3-OH) (II); and (c) ester of fatty acid mixture comprising at least 80 wt.% of oleic acid and an alcohol of formula (R3-(CH2)2-CH(R1)-CH2OH) (III), where the total number of carbon in alcohol is 8-32C. R1 : at least one methyl group branched 6-14C alkyl; R2 : 2-15C linear alkyl; and R3 : 1-18C linear alkyl. An independent claim is included for preparing the composition, comprising mixing the components (a)-(c), optional component (d) including at least one antioxidant such as aminic antioxidant, component (e) including at least one extreme pressure/antiwear additive such as dialkylthiocarbamate and/or additives such as antioxidant, antiwear agents, foam suppressing agents, corrosion inhibitors, dispersing agents, viscosity index enhancer and/or pour-point depressors.

Abstract (de)

Die Erfindung betrifft eine Zusammensetzung, welche A) Ester aus einem Fettsäuregemisch, enthaltend mindestens 80 Gew.% Ölsäure, und einem Polyol, B) Ester aus einem Fettsäuregemisch, enthaltend mindestens 80 Gew.-% Ölsäure, und einem Oxoalkoholgemisch, und C) Ester aus einem Fettsäuregemisch, enthaltend mindestens 80 Gew.-% Ölsäure, und einem Alkohol, umfasst. Ferner betrifft die Erfindung ein Verfahren zur Herstellung dieser Zusammensetzung, umfassend das Vermischen der Komponenten, sowie die Verwendung der Zusammensetzung als Schmiermittel.

IPC 8 full level
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CPC (source: EP)
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Citation (applicant)

- WO 9739086 A1 19971023 - UNICHEMA CHEMIE BV [NL], et al
- DE 10115829 A1 20021010 - COGNIS DEUTSCHLAND GMBH [DE]
- WO 02053688 A2 20020711 - HATCO CORP [US], et al
- US 5378249 A 19950103 - MORRISON DAVID S [US]
- US 5773391 A 19980630 - LAWATE SAURABH S [US], et al
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Citation (search report)

- [Y] WO 02053688 A2 20020711 - HATCO CORP [US], et al
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Citation (examination)

- DE 4202034 A1 19930729 - RWE DEA AG [DE]
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