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E17 H06

DOWC 30.07.84

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DOW CHEMICAL CO

30.07.84-US-635999 (12.02.86) C07c-29/15 C07c-31/04

Adjusting methanol to higher alcohol ratios - produced by reacting hydrogen and carbon monoxide by the addn. of a sulphur releasing agent

C86-018273 E(BE DE FR GB IT NL SE)

Prodn. of mixed alcohols comprises reacting a mixt. of H₂ and CO in the presence of a Mo or W based catalyst and a promoter at not less than 1200°C and under pressure, a sulphur releasing reagent (I) being added to the feed.

USE/ADVANTAGE

An increased ratio of 2-5C alcohols to methanol is obtd., making the prod. more suitable for use in motor fuel additives.

CATALYST COMPONENT

Free or combined Mo (most prefd.) and/or W (generally as the sulphide) and alkali (prefd.) or alkaline earth elements(s) (Cs and K prefd., K most prefd.). Most prefd. catalyst form is the agglomerated sulphide. If supported, support comprises 20-98% by wt. of catalyst (pref. at least 50%, most pref. 70%).

AU-A-45137/85

E(10-E4E,31-F4) H(0-D1) N(3-C,3-D)

SULPHUR RELEASING COMPONENT

Organic sulphur compds. (mercaptans and sulphides) or inorganic compds. which yield sulphide (H₂S (pref.), CS₂ and carbonyl sulphide) may be used. (25pp1720RHD)wgNo0/0)
(E) ISR: No Search Report.

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