

[54] KETONE CONTROL TEST COMPOSITION,
METHOD AND TEST DEVICE

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436/169; 422/56

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422/56, 57

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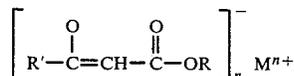
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[57] ABSTRACT

A composition, device and method for preparing a ketone control solution are disclosed. The composition comprises dimethylformamide and a Group I, II or III metal salt of a β -keto acid ester. The salt has the structure



in which R is lower alkyl of 1 to 6 carbon atoms, R' is an aliphatic or cyclic group having 1 to about 7 carbon atoms, M is a Group I, II or III metal ion and n is 1, 2 or 3. A carrier matrix incorporated with the composition can be affixed to a support member to form the device. Preferably, a hydrolyzing agent is included on the device in the same or another carrier matrix. The method for preparing the control solution comprises contacting a predetermined volume of an aqueous solution with the device for a predetermined time.

18 Claims, No Drawings