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(71) Applicant(s):
Johnson Matthey Public Limited Company
5th Floor 25 Farringdon Street, LONDON, EC4A 4AB,
United Kingdom

(72) Inventor(s):
Alan Cooper
Mark Dixon

(74) Agent and/or Address for Service:
Johnson Matthey Catalysts
Intellectual Property Department, PO Box 1,
Belasis Avenue, BILLINGHAM, Cleveland, TS23 1LB,
United Kingdom

(54) Title of the Invention: **Glycerol complex composition and method of preparation**
Abstract Title: **Glycerol complex composition and method of preparation**

(57) A composition has an empirical formula M (glycerol) a (X) b, where M represents a metal atom selected from titanium, zirconium, hafnium or aluminium, X is a ligand derived from acetylacetonone or a peroxy ion; a is a number between 1 and 2.5; b is a number in the range from 1 to 2. An alternative composition results from the reaction of a compound of titanium, zirconium, hafnium or aluminium with (a) glycerol and (b) either: (i) acetylacetonone or (ii) hydrogen peroxide, an inorganic base and water. The composition is useful in applications requiring water-stable metal chelates, particularly as a catalyst for esterification and polyurethane reactions.

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