

ABSTRACT

TITLE OF INVENTION: **SYNERGISTICALLY STABILISED LIQUID
ENZYMATIC COMPOSITIONS**

A stabilizing formulation capable of enhancing the storage and shelf-life of liquid enzymatic compositions as well as acting as a dispersant aid for industrial process waters. Such stabilizing formulation contains at least one polymer selected from a poly(celulosic) ether, an acrylic polymer, and a polyamide, a C -C polyhydric alcohol and water. The polymer and mixture are present in an amount effective to stabilize, preferably in a combined amount effective to synergistically stabilize, one or more enzymes contained in a liquid enzymatic composition. A stabilized liquid enzymatic composition which contains one or more components of the stabilizing formulation and an enzyme. Methods for using the stabilizing formulation and preparing stabilized liquid enzymatic compositions are also described.