

Abstract

The purpose of the present invention is to provide a water-soluble oil composition for metalworking, which comprises an alkanolamine or the like, and which is not susceptible to decrease in the pH or decrease in the concentration. A water-soluble oil composition for metalworking according to the present invention comprises a primary alkanolamine which has a substituent that inhibits an intermolecular cyclodehydration. This water-soluble oil composition for metalworking is characterized in that the primary alkanolamine is represented by formula (I). In the formula, R₁, R₂, R₃, and R₄ are hydrogen atoms, identical or different alkyl groups having 1 to 6 carbon atoms, or identical or different cycloalkyl groups having 3 to 6 carbon atoms, provided that at least R₁ and R₂ are each independently an alkyl group having 1 to 6 carbon atoms or a cycloalkyl group having 3 to 6 carbon atoms, or at least R₃ and R₄ are each independently an alkyl group having 1 to 6 carbon atoms or a cycloalkyl group having 3 to 6 carbon atoms.

