

Abstract

The invention provides a water-soluble metal-working oil agent, including a component A and a component B, wherein the component A is a mineral oil which has a characteristic temperature, as measured in accordance with JIS K2242, of 570°C or higher, and the component B is at least one condensed fatty acid which is selected from a condensed fatty acid (1), produced through dehydration condensation of a hydroxycarboxylic acid, and a condensed fatty acid (2), produced through dehydration condensation of an alcoholic hydroxyl group of the condensed fatty acid (1) with a monovalent carboxylic acid, which has a characteristic temperature, as measured in accordance with JIS K2242, of 650°C or higher. The agent can provide excellent workability with a hard-to-work material and can prolong tool life.
