

Abstract

The present invention provides a method of producing high-purity DAM with high productivity by efficiently cooling a reaction mixture to control the temperature rise in a reactor, and also provides an apparatus suitable for the method. Specifically, disclosed is a method of producing a dialkylaminoalkyl (meth)acrylate quaternary salt by continuously supplying a dialkylaminoalkyl (meth)acrylate, a quaternizing agent, and water to a reactor, while continuously extracting a reaction mixture from the reactor, wherein a part of the reaction mixture extracted from the reactor is cooled by passing through a heat exchanger and the cooled reaction mixture is supplied to the reactor together with the quaternizing agent through an ejector.