

## ABSTRACT OF THE DISCLOSURE

TITLE OF INVENTION: AQUEOUS, SILICONE-MODIFIED ACRYLATE  
POLYMER EMULSION

Disclosed is an aqueous, silicone-modified acrylate polymer emulsion, which is an acrylate polymer emulsion produced by subjecting a monomer system (A) comprising an acrylate monomer selected from the group consisting of an acrylic ester, a methacrylic ester and a mixture thereof to emulsion polymerization in an aqueous medium in the presence of an emulsifier (B) selected from the group consisting of a sulfonic acid group- or sulfonate group-containing ethylenically unsaturated monomer, a sulfate ester group-containing ethylenically unsaturated monomer and a mixture thereof, wherein the acrylate polymer emulsion is silicone-modified using a specific, silicone structure-containing modifier (C) during or after the emulsion polymerization. The aqueous, silicone-modified acrylate polymer emulsion of the present invention is capable of forming a coating having excellent water repellency, water resistance, weatherability, dispersion characteristics of pigment, gloss retentivity, stain resistance and adhesion properties, and therefore can be advantageously used as a paint, an undercoating or finish coating material for building materials, an adhesive, a pressure-sensitive adhesive, a processing agent for papers, or a finish coating material for textile fabrics, especially as a paint, or a finish coating material for building materials.

