

**SURFACTANT-FREE ALKALI SWELLABLE ACRYLIC EMULSIONS, USE
THEREOF IN AQUEOUS FORMULATIONS AND FORMULATIONS
CONTAINING SAME**

5

ABSTRACT

10 The present invention pertains to new alkali swellable thickening emulsions, free of
surfactants and solvents other than water: as a result, all drawbacks related to the use of
solvents, or to the formation of foam in the case of surfactants, are avoided. These new
emulsions contain a certain quantity of 2-acrylamido-2-methylpropane sulfonic acid (or
AMPS, CAS #: 40623-75-4). They have proven effective at thickening aqueous
15 mediums, particularly water-based paints, paper coatings, aqueous suspensions of mineral
materials, detergents, cosmetic formulations, or formulations containing a hydraulic
binder.

[No Fig.]