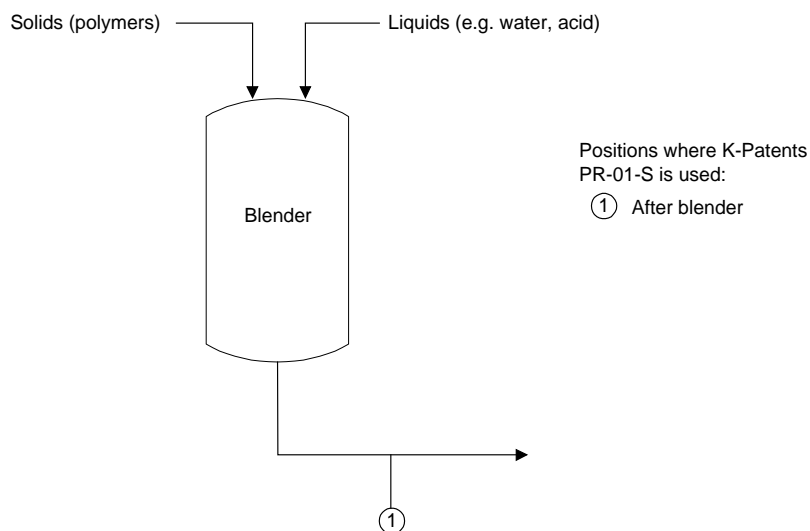


Detergents



Detergents

Soluble in
water, oil

Typical end products

Floor wax, furniture wax, household detergents, etc.

Introduction

Detergents are synthetic organic cleaning agents that are liquid or water- or oil-soluble. Detergents have wetting-agent and emulsifying properties.

Floor waxes, furniture waxes, deodorants and shampoos are typical household detergents, which are usually manufactured by batch process.

Application

When a liquid wax is produced, it consists of two major components. These components are solids, polymers which actually give the wax coating, and volatile carriers which are liquids that keep the polymers in solution but will evaporate after using. The solid and the volatile carriers content of the product must be closely controlled.

K-Patents Process Refractometer PR-01-S is used to measure the percent of solids of the solution. Concentration range in floor wax is 10-30% solids (1.33-1.40 R.I.) and the process temperature about 27°C (80°F).

Installation