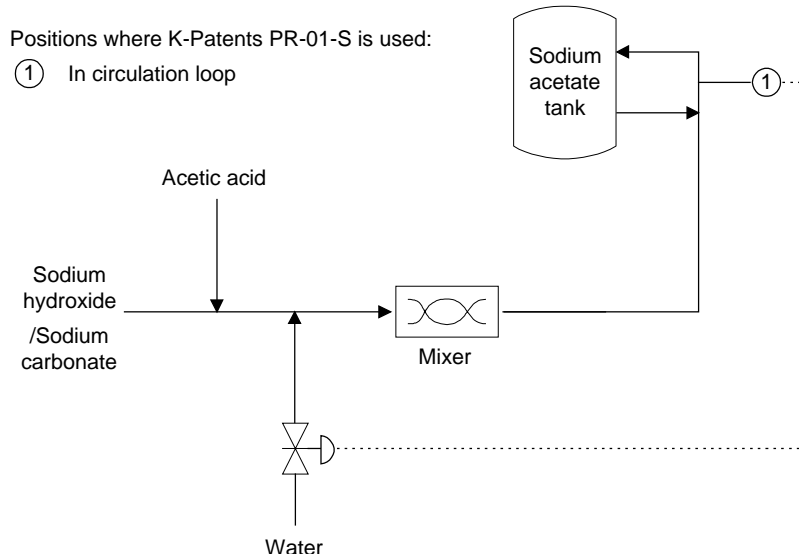


Sodium Acetate



Sodium Acetate, Sodium Ethanoate, (NaO₂C₂H₃)

Soluble in
water, ethoxyethane, ethanol

Typical end products/ uses
Pharmaceuticals, photography, dyeing, soaps, in pH control, in foodstuffs, in electroplating

See also
Sodium Hydroxide 4.08.01

Introduction

Sodium acetate (NaO₂C₂H₃) is a colourless crystalline compound, which is known as anhydrous salt or trihydrate.

Application

Sodium hydroxide or sodium carbonate reacts in a static mixer with acetic acid to form sodium acetate.

In the manufacturing process the addition of water to the final concentration is very important. The final product concentration used to be measured by laboratory titration. This technique often gives false readings due to the many interferences that are present. Laboratory measurement also lack the continuous indication of the true concentration.

Installation

K-Patents Process Refractometer, PR-01-S is mounted in the circulation loop. The output signal from the K-Patents PR-01-S is used to control the water addition prior to the static mixer in order to maintain the final sodium acetate concentration at approx. 7% b.w. The temperature is between 40-50°C (104-122°F).

A steam wash system is recommended.