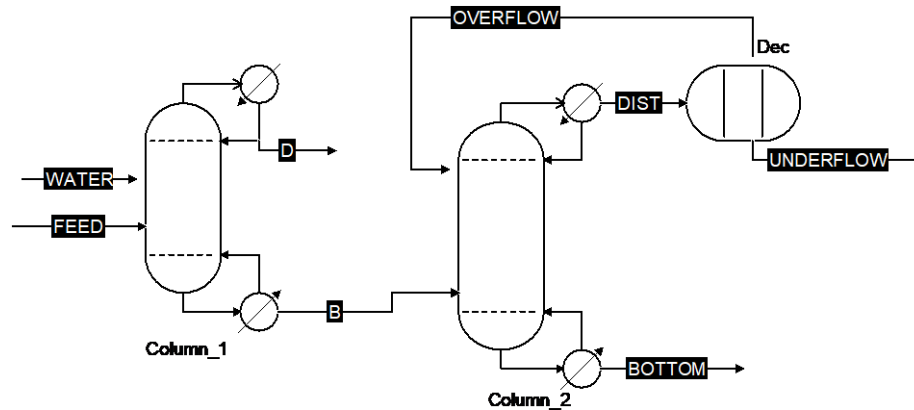


## Description – Ethyl Acetate Recovery.

### Process Flow Diagram:



### Process Description:

The feed mixture of ethanol, IPA, ethyl acetate, N-heptane, Toluene, O-xylene, water is fed to the column\_1 and ethanol is removed in this column. The bottom product of Column\_1 is fed to the column\_2 to get ethyl acetate at azeotropic composition.

### Operating Conditions:

Flow rate: 900 Kg/Hr.

Pressure: Both the columns are operating under atmospheric condition.

Temperature: -

Column\_1- 76.8°C-86.1°C.

Column\_2- 69.7°C-76.8°C.

Column Internal: Structured Packing for the column.

Design Purity: 99.5% (Wt).

### Experience:

S Cube has supplied separating systems involving azeotropic distillation. IPA-Water is typical system involving IPA-Water azeotrope. The design involves prediction of azeotrope of IPA-Water.