

Abstract:**Process for the purification of acrolein**

- 5 The present invention relates to a process for the purification of acrolein, comprising the steps of a) splitting a liquid feed stream (1) comprising acrolein into at least a first liquid stream (2) and a second liquid stream (3), b) introducing the first liquid stream (2) with a temperature T_1 into a distillation column (4) at a point between the top and the bottom of the distillation column, c) introducing the second liquid stream (3) with a temperature T_2 into the distillation column (4) at the top of the
- 10 distillation column, d) withdrawing an overhead vapor stream (5) enriched in acrolein from the distillation column (4), and e), withdrawing a bottom stream (6) depleted in acrolein, wherein the temperature T_2 of the second liquid stream (3) in step c) is lower than the temperature T_1 of the first liquid stream (2) in step b).

15 [Fig. 1]