

Chemguide – answers

ACYL CHLORIDES: PREPARATION

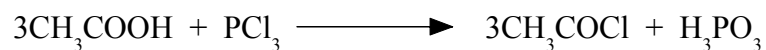
1. Choose any two of the following:

Using phosphorus(V) chloride: PCl_5



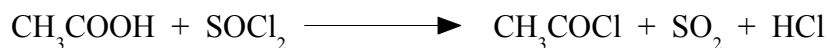
Separate by fractional distillation.

Using phosphorus(III) chloride: PCl_3



Separate by fractional distillation.

Using sulphur dichloride oxide (thionyl chloride): $SOCl_2$



Separate by fractional distillation.

There is nothing to understand here – some things you just have to know!