



Fractional Distillation (preparation details for teachers and technicians)

SAFETY

Universal Indicator Solution

H226 Flammable liquid and vapour
H315 + H320 Causes skin and eye irritation
H335 May cause respiratory irritation
P261 Avoid breathing dust /fume /gas /mist /vapours /spray
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

TO BUY

Fizzy Drinks: This worked well with pink Lucozade, and various flavours of Fanta. If you want to continue this as an extension activity you could buy “diet” versions of these drinks.

STUDENTS WILL NEED

- 100 ml conical flask
- Tripod/stand and clamp
- 5 Test tubes/vials per group
- Test tube holder
- Heat source - hot plate or tealight (not bunsen burner)
- Fizzy drinks
- Universal indicator
- Ice
- Large beaker/container to hold ice
- Rubber bung with two holes
- Plastic/ Teflon tubing
- Thermometers
- Aluminium foil