# Activity 2.2 Compare the amount of acid in different household products8

## Apparatus and materials

* beaker (150 ml)
* measuring cylinder (50 ml)
* magnetic stirrer and stir bar
* burette (25 ml)
* funnel
* distilled water
* rinse aid
* sodium hydroxide solution (c = 0.5 mol/l)
* universal indicator

## Safety

Observe all safety measures regarding the handling of acids! Wear your safety goggles!

## Procedure

* Pour 10 ml of rinse aid into the measuring cylinder and add distilled water to yield 50 ml of solution.
* Pour the solution into a beaker and add a few drops of universal indicator.
* Fill the sodium hydroxide solution into the burette.
* While stirring, titrate in 0.5 ml-steps until the solution reaches its point of change.

## Disposal:

* After diluting, pour the solutions down the sink

8 Source (adapted from):

Freienberg, Julia (2002). „Chemie fürs Leben – ein neuer Ansatz für den Chemieunterricht am Beispiel der Behandlung von Säuren, Laugen und Salzen in der Sekundarstufe I sowie Anknüpfungsmöglichkeiten für die Sekundarstufe II“, Dissertation, University of Rostock ***18.12.2002.***