# SSERC logo

**SSERC Risk Assessment** (revised version March 2018)

(based on HSE’s INDG 163 ‘Risk assessment - A brief guide to controlling risks in the workplace’)

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| Activity assessed | Neutralisation Circles |
| *Date of assessment* | 30th June 2020 |
| *Date of review (****Step 5****)* |  |
| *School* |  |
| *Department* |  |

| Step 1 | Step 2 | Step 3 | Step 4 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *List Significant hazards here:* | *Who might be harmed and how?* | *What are you already doing?*  *What further action is needed?* | *Actions* | | | | |
| *by whom?* | | *Due date* | | *Done* |
| Hydrochloric acid is corrosive and produced corrosive fumes.  0.1 M Hydrochloric acid is of low hazard | Technician when preparing solutions. | Wear gloves and goggles (BS EN166 3). Work in a well-ventilated space or a fume cupboard |  |  | |  | |
| Sodium hydroxide is highly corrosive.  0.1M Sodium hydroxide solution is a skin/eye irritant | Technician while preparing solution.  Demonstrator / audience during demonstration. | Wear gloves and goggles (BS EN166 3).  Wear eye protection and gloves if required. |  |  | |  | |
| Universal indicator is flammable. | Demonstrator / audience during demonstration by ignition | Keep away from sources of ignition. |  |  | |  | |
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| **Description of activity:**  Pupils allow acid and alkali to diffuse towards each other on filter paper. Where they meet, neutralisations will occur. This can be shown by adding universal indicator. |
| **Additional comments:**  Disposal – The filter paper can go in the domestic refuse. |