# 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 | Red Cabbage Indicator |
| *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* |
| The indicator dye can irritate the eye in some individuals | Technician, Demonstrator & audience while preparing/using dye. | Thoroughly rinse eyes if affected. |  |  | |  | |
| Possibility of scalds from boiling water. | Preparing the dye by splashing. | Being careful is a sufficient control measure.  Alternatively soak for longer in colder water. |  |  | |  | |
| A risk assessment will need to be carried out for any of the acids and alkalis that are being tested. |  |  |  |  | |  | |

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| **Description of activity:**  Red cabbage is boiled up with distilled water to prepare an indicator and the solution is used to test a variety of household substances. (Boiling water can simply be poured over it and left to steep). |
| **Additional comments:**  Be careful over choice of household substances. Some such as oven cleaners or bleach, are hazardous.  A more concentrated dye can be obtained if you have access to a juicer as there will be no dilution. |