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**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 | Cut and Heal |
| *Date of assessment* | 06/02/2018 |
| *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* |
| Iron III chloride is corrosive.  | Technician/teacher preparing solution. | Wear goggles (BS EN166 3) and gloves. |  |  |  |
| 0.3M Iron III chloride is corrosive | Demonstrator | Minimise contact with skin as far as possible – wash off quickly. |  |  |  |
| Potassium thiocyanate is harmful by all routes. | Technician/teacher, preparing solution. | Avoid raising dust. Wear eye protection (and gloves if desired) |  |  |  |
| Possibility of cuts | Demonstrator during demonstration | Make sure the knife is blunt. |  |  |  |

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| **Description of activity:**The demonstrator pretends to cut and heal his skin.1. Wipe the arm with FeCl3 solution – possibly labelled as Iodine.
2. Put KSCN on the knife – pretend it is ethanol to sterilise the knife.
3. ‘cut’ skin – Red FeSCN appears as a ‘wound’.

‘Heal’ the cut by applying ‘antiseptic’ sodium thiosulphate solution |

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| **Additional comments:**Iron III chloride solution is corrosive. Wash off as soon as possible. |