# 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 | Genie in a Bottle |
| *Date of assessment* | 3rd February 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* |
| 100v hydrogen peroxide is corrosive and a powerful oxidiser. | Technician and demonstrator by splashes while preparing/carrying out demonstration | Remove from contact with combustible material e.g. flammable vapours, paper, wood dust and gases.  Wear nitrile gloves and goggles (BS EN166 3).  If spilled on skin, wash off with copious amounts of water.  Remove and wash contaminated clothing. |  |  | |  | |
| Potassium iodide is an eye irritant. | Technician and demonstrator while preparing/carrying out demonstration | Wear eye protection, avoid spillage. |  |  | |  | |

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| **Description of activity:**  Decomposition of 100v hydrogen peroxide by potassium iodide.  A lot of steam is produced by the exothermic reaction. The ‘genie’ escaping from the bottle |
| **Additional comments:** |