# 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 | Thionin |
| *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 hazards of Thionin have not been fully investigated. It is a skin, eye and respiratory irritant. | Technician/Demonstrator preparing solution | Avoid raising dust.  Wear goggles and gloves. |  |  | |  | |
| Sulphuric acid is corrosive. | Technician preparing solution | Wear goggles (BS EN166 3) and gloves. |  |  | |  | |
| 1M sulphuric acid is an irritant | Demonstrator and audience by splashing | Avoid splashes.  If in contact with skin, wash off with copious quantities of water |  |  | |  | |
| Iron II sulphate is a skin and eye irritant and is harmful if swallowed. | Demonstrator and audience by splashing | Avoid splashes.  If in contact with skin, wash off with copious quantities of water. |  |  | |  | |

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| **Description of activity:**  A solution of Thionin is illuminated by a bright light and is temporarily bleached. The colour returns when the light is turned off. |
| **Additional comments:** |