# 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’)

2 Pitreavie Court, South Pitreavie Business Park, Dunfermline KY11 8UU

tel : 01383 626070 e-mail : [enquiries@sserc.org.uk](mailto:enquiries@sserc.org.uk) web : [www.sserc.org.uk](http://www.sserc.org.uk)

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| --- | --- |
| Activity assessed | Foam Fire Extinguisher |
| *Date of assessment* | 3rd January 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* |
| Aluminium sulphate can cause eye damage. | Technicians by spillage and splashing during preparation.  Demonstrator and audience by spillage from ‘extinguisher’. | Avoid raising dust.  Wear goggles (BS EN166 3)  Point jet away from people (into the sink). Wear eye protection if appropriate. |  |  | |  | |

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| **Description of activity:**  Aluminium sulphate solution and sodium hydrogen carbonate solution are mixed with soap solution added. A delivery tube is put on the reaction vessel and a large amount of foam jets out of the tube which can be used as a fire extinguisher. |
| **Additional comments:** |