# 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 | Hot Stuff |
| *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* |
| Potassium managanate VII is harmful and irritating to the lungs  Danger of premature ignition of mixture. | Technician preparing demonstration  Demonstrator / audience | Avoid raising dust. Wear gloves to avoid staining of hands wear eye protection.  Appropriate eye protection should be worn. |  |  | |  | |

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| **Description of activity:**  A small mound of potassium manganate VII is placed on a tin lid and some propan-1,2,3-ol (glycerol) placed in a well in the centre. After a short delay, the mixture flares up with a bright lilac flame. |
| **Additional comments:**  Old samples of glycerol are less effective. The reason is not clear but it may be due to the fact that they absorb water vapour from the air. |