# SSERC logo

**SSERC Risk Assessment** (revised version November 2009)

(based on HSE ‘5 steps to risk assessment’)

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| Activity assessed | Sugar Lump Flame Tests |
| *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* |
| Ethanol is highly flammable | Technician and teacher | Keep away from sources of ignition |  |  |  |
| Solutions containing metal salts are toxic, harmful, dangerous for the environment and irritant | Technician and teacher by inhalationTechnician, teacher and pupil by splashes | Avoid breathing in any dustWear indirect vent goggles EN 1663Consider wearing gloves.If contact with eyes or skin was off/ out with copious quantities of water |  |  |  |

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| **Description of activity:**Making ethanolic solutions of metal salts, soaking them into sugar lumps and then lighting. |
| **Additional comments:**If it is decided that the slightly better colours obtained with methanol are desirable. Use the risk assessment for methanol flame tests. (which uses a slightly different methodology). |