# SSERC logo

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

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

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| --- | --- |
| Activity assessed | Flame Colours |
| *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 inhalation  Technician, teacher and pupil by splashes | Avoid breathing in any dust  Wear indirect vent goggles EN 1663  Consider wearing gloves.  If contact with eyes or skin was off/ out with copious quantities of water |  |  | |  | |

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| **Description of activity:**  Making aqueous solutions of metal salts and spraying them through a Bunsen flame using an atomizer spray |
| **Additional comments:**  Any liquid from the sprays that has landed on the surroundings can simply be wiped up and the paper put in the waste. |