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**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 | Chromatography of Dyes |
| *Date of assessment* | December 2024 |
| *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, propanone and some other solvents are flammable | Learners, teacher and technicians by fire | Keep away from sources of ignition. |  |  |  |
| IMSl is harmful if swallowed and a target organ toxin. Propanone is an eye and respiratory irritant. | Learners, teacher and technicians by inhalation of vapour | Work in a well-ventilated laboratory.  (Due to the small quantities, the risk is very low) |  |  |  |

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| **Description of activity:**  This experiment is a simple demonstration of chromatography.  Pens (or inks, dyes etc) are applied to paper and chromatography is carried out – probably using water but possibly another solvent such as ethanol or propanone. |

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| **Additional comments:**  If any solvent other than water, ethanol or propanone is used, a separate risk assessment will be needed. |