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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’)

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 | Electroplating faces |
| *Date of assessment* | 8th December 2019 |
| *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* |
| Nickel and its compounds are toxic and carcinogenic and are sensitisers | Technician preparing solutions | Wear gloves and eye protection.  Avoid raising or inhaling dust. |  |  |  |
| Nickel sulphate solution is toxic and carcinogenic | Demonstrator and audience | If any solution is spilled on skin, wash off immediately with copious amounts of water.  Appropriate eye protection should be worn. |  |  |  |
| Copper compounds are harmful by swallowing or inhalation of the dust. | Technician preparing solutions. | Avoid raising or inhaling dust.  If any solution is spilled on skin, wash off immediately with copious amounts of water. |  |  |  |

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| **Description of activity:**  Coins are electroplated in solutions of either nickel sulphate or copper sulphate. |

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| **Additional comments:**  Care should be taken if using nickel sulphate solution. Realistically, there is no need to use it – zinc works just as well and is much safet. |