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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 | Verification of a thermodynamic prediction (AH PPA) |
| *Date of assessment* | 26th Feb 2021 |
| *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* |
| Liquid paraffin is on no significant hazard in normal use but can produce irritating mist or fume if overheated. | Teacher/pupils by inhalation of fumes | Work in a well-ventilated laboratory. Take care not to overheat the paraffin or to spill it onto the hotplate. |  |  |  |
| Sodium hydrogencarbonate is of no significant hazard |  |  |  |  |  |

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| **Description of activity:**  A weighed sample of sodium hydrogencarbonate is heated using a bath of liquid paraffin and its decomposition monitored by measuring the CO2 emitted. |

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| **Additional comments:** |