# SSERC logo

**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)

# 

|  |  |
| --- | --- |
| Activity assessed | Piezo Rockets |
| *Date of assessment* | 30th June 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* |
| Possible soldering burns when soldering igniter. | Technician when soldering. | Take care and follow appropriate soldering procedures |  |  | |  | |
| Sulphuric acid is corrosive (IF you are using 2M sulphuric acid to generate hydrogen – If another method, than needs to be risk assessed). | Technician/Teacher when preparing hydrogen. | Wear indirect vent goggles. (EN166 B)  If spilled on skin, wash off immediately with copious amounts of water. |  |  | |  | |
| Hydrogen is highly flammable | Technician by fire while preparing, Demonstrator/audience during demo. | Quantities are small so the risk is very low. Ensure rockets (and any other source of ignition) are removed from vicinity of hydrogen generator before launch. |  |  | |  | |
| Risk of eye impact damage | Demonstrator/audience could be hit by a stray rocket | Appropriate eye protection should be worn.  Do not point rocket at anyone. |  |  | |  | |

|  |
| --- |
| **Description of activity:** |
| **Additional comments:** |