# 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 web : [www.sserc.org.uk](http://www.sserc.org.uk)

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| Activity assessed | Ice Nice |
| *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* |
| Calcium chloride is an eye irritant | Pupils by splashing it in the eye. | The quantities are small so the risk is too, However, wearing eye protection is recommended. |  |  |  |
| Ethane-1-2-diol is harmful if ingested. | Pupils by ingestion | The quantities are small and with normal, laboratory hygiene the risk is insignificant. |  |  |  |
| Magnesium chloride, Sodium chloride, Sodium ethanoate, propane-1,2-diol and urea as well as ferroxyl indicator are of no significant hazard. |  |  |  |  |  |

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| **Description of activity:**The effectiveness of different de-icing compounds is investigated: looking at freezing rates, melting rates and rusting. |
| **Additional comments:**The resulting solutions are of low hazard and can be safely washed to waste. |