# 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’)

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| Activity assessed | Steam Distillation of Limonene |
| *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* |
| No significant chemical hazards  Take care using knife/zester.  d-limonene IS a skin irritant and sensitiser and is flammable but the quantities are very small so no control measures are needed. |  |  |  |  | |  | |
| Distillation apparatus should be assembled and procedure carried out appropriately. |  |  |  |  | |  | |

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| **Description of activity:**  The zest of two oranges is mixed with water (possibly blended) and distilled gently to collect the first 10cm3 or so of distillate which will contain a small amount of orange oil. |
| **Additional comments:** |