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| **Explosive Precursor Risk Assessment** |
| **Singapore Arms and Explosives Act, Chapter 13, Part IV, 23:****(2)  Any person who knowingly conceals any explosive precursor imported unlawfully or without a license shall be guilty of an offence and shall be liable on conviction — (*a*) in the case of a body corporate, to a fine not exceeding $100,000; and (*b*) in any other case, to a fine not exceeding $50,000 or to imprisonment for a term not exceeding 2 years or to both.** |
| **List of Explosive Precursors:*** 1. Ammonium nitrate, or any mixture of components one of which is ammonium nitrate, but not including — (a) aqueous solutions containing less than 60%, weight in weight, of ammonium nitrate; or (b) any material in solid form comprising a mixture of components, one of which is ammonium nitrate, where the nitrogen content derived from ammonium nitrate is less than 28% by weight of the said mixture.
* 2. Ammonium perchlorate.
* 3. Barium nitrate, not including preparations and solutions containing less than 10%, weight in weight, of barium nitrate.
* 4. Guanidine nitrate.
* 5. Hydrogen peroxide, not including preparations and solutions containing not more than 20%, weight in weight, of hydrogen peroxide.
* 6. Potassium chlorate.
* 7. Potassium nitrate, not including preparations and solutions containing less than 5%, weight in weight, of potassium nitrate or a combination of both potassium nitrate and sodium nitrate.
* 8. Potassium nitrite, not including aqueous solutions containing less than 5%, weight in weight, of potassium nitrite.
* 9. Potassium perchlorate.
* 10. Sodium chlorate.
* 11. Sodium nitrate, not including preparations and solutions containing less than 5%, weight in weight, of sodium nitrate or a combination of both sodium nitrate and potassium nitrate.
* 12. Sodium nitrite, not including aqueous solutions containing less than 5%, weight in weight, of sodium nitrite.
* 13. Sodium perchlorate.
* 14. Perchloric acid.
* 15. Tetranitromethane
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| **1.** |
| **Explosive Precursors used**Write full name, do not use abbreviations or acronyms | **Approx.****Quantity Used**Cumulated quantity for each procedure | **Physical Form**gas, liquid, solid, dust, nano-particles, gel | **Warning Signs** (e.g. sparks, fumes, crystals etc.) | **Cross Reactive** **Dangers** | **Thermal Stability** | **Chemical Stability** |
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| **2.** |

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| **Explosive Precursors used**Write full name, do not use abbreviations or acronyms | **Supplier** | **Date Received** | **Storage location** |
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| **3.** |
| **Have you entered it into the log book?**  |  |  |
| Have you informed the lab manager? |  |  |
| **4.** |
| Reactions Planned. **Include volumes used and produced at each stage** |
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| **5.**  |
| **Are any explosives produced during the process? If so specify here.** |
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| **It is agreed that application of the control measures specified will provide adequate management of the identified risks.** |
| **Name of assessor:****Signature:** | **Date:**  |
| **Name of co-signatory:** (Local Supervisor / Cambridge Supervisor/ Laboratory Manager)**Signature:** | **Date:**  |
| **Name of co-signatory:** (Local Supervisor / Cambridge Supervisor/ Laboratory Manager)**Signature:** | **Date:**  |
| **Name of co-signatory:** (Local Supervisor / Cambridge Supervisor/ Laboratory Manager)**Signature:** | **Date:**  |