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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:** |