

# Hazard Profile Table

Types of Hazards	High	Medium	Low
Criteria			
Chemical (Gas)	Storage of pyrophoric, toxic, flammable and liquefied flammable gases	Storage of oxidizing and/or inert gas only	No gas storage
Chemical (Liquid)	Storage of PFM per lab unit ( ≥ 250 litres) ≥ 250L – Require more than 1 flammable cabinet	Storage of PFM per lab unit ( ≥ 10 and < 250 litres) 250L – Allowable Qty in 1 flammable cabinet	Storage of PFM per lab unit ( < 10 litres) 10L – Minor Storage limit (SS532)
Radiation	<ol style="list-style-type: none"> <li>1. Handling radio-isotopes emitting Gamma ray</li> <li>2. Open beam ionizing radiation apparatus</li> <li>3. Working with open beam Class 3B &amp; 4 laser</li> </ol>	<ol style="list-style-type: none"> <li>1. Handling radio-Isotopes emitting Alpha/Beta particles</li> <li>2. Enclosed/Self-shielded ionizing radiation apparatus</li> <li>3. Working with enclosed beam Class 3B &amp; 4 laser</li> <li>4. NIR Equipment requiring N2 licence to keep or possess, but does not require a N3 licence to use</li> </ol>	No regulated ionizing & non-ionizing radiation source
Biological	<ol style="list-style-type: none"> <li>1. BSL2+ and above</li> <li>2. ABSL2+ and above</li> <li>3. Live Non-Human primates (NHP)</li> </ol>	<ol style="list-style-type: none"> <li>1. BSL2</li> <li>2. ABSL2</li> </ol>	BSL 1
Physical	Activities requiring regulatory Permit-To-Work (PTW) System. E.g <ol style="list-style-type: none"> <li>1. Work at height &gt; 3m</li> <li>2. Work in confined space</li> <li>3. Heavy lifting operation</li> <li>4. Hot-work</li> </ol>	Activities that do not require PTW System	