**SCHOOL OF ENGINEERING**

**APPENDIX A for RISK ASSESSMENT FOR AN ACTIVITY INVOLVING THE USE OF HAZARDOUS CHEMICALS**

**as required under the Control of Substances Hazardous to Health regulations**

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| **(A)**  **Health Hazard** | **(B)**  **Dustiness or Volatility** | **(C)**  **Quantity\*** | **Score** |
| **Low**  ***Hazard statements (Risk phrases)****:*  H319 (R36);  R36/38;  H315 (R38).  EUH066 (R66).  H336 (R67). | **Low**  ***Solids:***Pellet-like solids that do not break up. Little or no dust observed during use. Solids forming large crystals.  ***Liquids:*** Boiling point >150°C | **Small**  <1g (mL) | **1** |
| **Medium**  ***Hazard statements (Risk phrases)****:*  H332 (R20); H312 (R21); H302 (R22);  H301 (R25);  H314 (R34/35); H319 (R36); H335 (R37); H315 (R38); H318 (R41); H373 (R48);  H304 (R65). | **Medium**  ***Solids:*** Smaller crystalline or granular solids. Minimal dust, or if any dust is seen it settles out quickly.  ***Liquids:*** Boiling point between 50 and 150°C. | **Medium**  1 to 100g (mL) | **2** |
| **High**  ***Hazard statements (Risk phrases)****:*  H331 (R23); H311 (R24); H301 (R25);  H330 (R26); H310 (R27); H300 (R28)  H370 (R39);  H334 (R42); H317 (R43); H350 (R45);  H340 (R46); H372 (R48); H350i (R49);  R42/43; R47; 48/23; 48/23/24; 48/23/25;  H360F (R60); H360Fd (R61);  H361f (R62); H360d (R63);  H362 (R64); H341 (R68). | **High**  ***Solids:*** Fine, light powders. Dust can be seen during use and possibly remains airborne for several minutes.  ***Liquids:***  Boiling point <50°C.  ***Gases***.  ***Aerosols***. | **Large**  >100g (mL) | **3** |

Multiply (A) × (B) × (C) to estimate overall risk level: ≤ 8 Low; 9-12 Medium; ≥ 13 High

\*When stating quantity, this should consider the quantity in the stock bottle as well as the quantity of the aliquots, since loss of containment from the entire stock bottle whilst removing aliquots may represent the greatest risk.