Regulated Materials on Campus

| **Type or Name of Material** | **Examples** | **How Regulated** |
| --- | --- | --- |
| Biohazardous MaterialHuman and Animal Risk Group 2 | Human and Animal Pathogens Risk Group 2 or 3. | Biosafety Work Permit and BSO Approval. See the Biosafety Program |
| Chemical Weapons and Precursors | Schedule 1, 2 and 3 materials of the Chemical Weapons Implementation Act | No Possession of Schedule 1 materials or import/export of Schedule 2 or 3 materials of the CWC implementation Act |
| Controlled Drugs and Substances (see the Act for a list of all materials) includes but is not limited to Narcotics | Controlled Drugs and Substances Act. | Possession or Acquisition License from Federal or Provincial Authority required.  |
| Dangerously Reactive Chemicals  | Vigorous Polymerizers, Self reactive under conditions of shock, increase in temperature or pressure, Vigorous Condensation, Vigorous Decomposition, Chemicals that react vigorously with water to release a lethal gas. | Completion of the Dangerously Reactive SOP. Read the SDS to determine if the chemical in question meets this requirement |
| Designated Substances | Acrylonitrile, Asbestos, Benzene, Coke Oven Emissions, Ethylene Oxide, Isocyanates, Lead, Mercury, Silica, Vinyl Chloride | Hazard Assessment to be performed for exposure (see assessment form) and if necessary a Hazard Control SOP. Read the Designated Substance SOP. |
| Explosives (as classified by Transportation Dangerous Goods) with the exclusion of liquid Picric Acid | See the Explosives Act and Regulations.[www.nrcan.gc.ca/explosives](http://www.nrcan.gc.ca/explosives) | Not permitted on Campus without the written authorization of the V.P. Academic, EHS, and a License/Permit from Natural Resources Canada |
| Hydro Fluoric Acid (HF) | Hydro Fluoric Acid | EHS approval and completion and use of HF SOP |
| Perchloric Acid > 72.5% | Perchloric Acid greater than 72.5 % concentration | EHS approval and completion and use of Perchloric Acid SOP |
| Poisonous and Corrosive Gases | Ammonia, Hydrogen Chloride, Chlorine, Carbon Monoxide | EHS Approval and completion and use of Poisonous and Corrosive Gases SOP. |
| Radioactive Material | Tritium, Carbon 14, Phospohorus 32 or any material identified by the Canadian Nuclear Safety Act and Regulations. | RSO authorization and Radioactive Work Permit. See the Radiation Safety Program |
| Pyrophoric and Water Reactive Materials | Alkyl lithium compounds, tert butyl lithium, lithium carbonyl, Group 1 Alkali metals, Metal powders (very fine particles), Metal hydrides, Non-Metal Hydrides, Non-metal alkyls | EHS approval and Pyrophoric and Water Reactive SOP completion and Use |
| Super Acids and Super Bases | Fluoroantimonic Acd, Trifluoromethanesulfonic acid, Anhydrous HF, Fluorosulphuric Acid, Lithium monoxicd anion (LiO-), Ortho diethnylbenzene diananion | EHS approval and Super Acid and Super Base SOP completion and Use. |

The examples used in the categories are not necessarily complete. Refer to the SDS for hazard information on any chemical.