

Prohibited Work Activities-Working Alone

Chemical

Pyrophoric

- 1) Work outside of a dry inert Glove box with pyrophoric, or water reactive materials are prohibited. If the work can be done completely inside the dry inert glove box the work is not prohibited. Exceptions are possible with an approved work plan.
- 2) Chemical reactions involving high pressure such as hydrogenation, polymer bomb reactions, or other high pressure reactions are prohibited unless a work plan can be established with EH&S
- 3) Work involving Highly Energetic Materials in excess of 100mg is prohibited at all times without an approved work plan. A work plan is required for scale up beyond 100mg at any time
- 4) Temperature unstable, shock sensitive, or other special property materials that can pose a threat to safety require a work plan
- 4) Scale up to large volume reactions such as Grignard reactions are prohibited without an approved work plan

Biological

- 1) Work inside of a BSL3 facility after hours is prohibited without a work plan. Checking on animals and performing husbandry are allowed with a work plan
- 2) Work involving toxins or chemicals that require immediate medical attention if an exposure occurs are prohibited without a work plan

Radiological

- 1) Tritium, iodination or other volatile radiological materials require a work plan
- 2) Use of high level sources such as an irradiator require a work plan
- 3) Use of energized equipment or Class IV lasers requires a work plan

Physical

- 1) Working in a machine shop requires a work plan. Use of large rotary equipment such as a lathe, drill press, or grinder may remain prohibited when working alone regardless of the time of day.
- 2) The use of extreme temperature, pressure, voltage, or other force requires a work plan