**Pyrophorics and Air Reactives**

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| Standard Operating Procedures for Chemicals or Processes |
| 1 Process(if applicable) | Pyrophoric and Air Reactive chemicals - handling, dispensing, and diluting including. SDS available |
| 2 Chemicals | Finely divided metals, alkali metals, metal and non-metal hydrides, Grignard reagents, metal carbonyls, halides of non-metals metal alkyls, organic acid halides and anhydrides, etc. |
| 3 Personal Protective Equipment (PPE) | Flame Retardant Lab Coats, proper gloves, safety eyewear (that meets ANSI Z.87.1-2003)  |
| 4 Environmental /Ventilation Controls | Conduct work in a fume hood or glove boxes. Think about other protect barriers to offer protection against an explosion. |
| 5 Special Handling Procedures & Storage Requirements | Consider the type of atmosphere these materials should be stored/worked in. What not to store the materials near. Techniques for reagent transfer |
| 6 Spill and Accident Procedures | Have the appropriate inert materials available for cleanup. Call UW-PD in case of an emergency. Locate the proper fire extinguisher. First Aid kits. |
| 7 Waste Disposal | If disposing of as hazardous waste, label with Hazardous Waste Label, accumulate according to requirements, and send in Waste Pickup request available at: <http://www.uwyo.edu/safety>  |
| 8 Special Precautions for Animal Use(if applicable) | \* |
| Particularly hazardoussubstance involved? |  YES: | Blocks 9 to 11 are Mandatory |
|  X NO: | Blocks 9 to 11 are Optional. |
| 9 Approval Required |  |
| 10 Decontamination |  |
| 11 Designated Area |  |
| Name (Assessor): Title: |
| Signature: Date:  |
| Name (PI, Lab Manager, or Unit Head): Title: |
| Signature (PI, Lab Manager, or Unit Head): Date:  |
| Date Sent to UW Safety:  |