#####  Peroxide-Forming Chemicals Use

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| Standard Operating Procedures for Chemicals or Processes |
| 1 Process | Peroxide forming chemicals - use and storage including:  |
| 2 Chemicals | These chemicals can form highly explosive peroxide compounds as impurities when exposed to air over a period of time. Peroxide formation is prevented by strict inventory control of opened peroxidizable chemicals. Most compounds are also flammable and toxic. |
| 3 Environmental /Ventilation Controls | Peroxidizable compounds should be dispensed in a fume hood.  |
| 4 Personal Protective Equipment (PPE) | Wear goggles and butyl gloves unless other hazards indicate another selection. A lab coat or apron is recommended for personal protection. |
| 5 Special Handling Procedures & Storage Requirements | Store separate from acids, bases, and oxidizers. Store in metal safety cans if possible. Label all containers with the date the original container was opened. If transferred to another container, label with the date the original container was opened. Discard any remaining chemical at the end of the time limit. Do not open jars that show any sign of aging or crystal formation8. Peroxidizable chemicals are stored \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_..  |
| 6 Spill and Accident Procedures | Remove all sources of ignition from the spill area. Wipe down spill area with solvent absorbent pads. |
| 7 Waste Disposal | Label with Hazardous Waste Label, accumulate according to requirements, and send in Waste Pickup request, available online at <http://www.uwyo.edu/safety> or contact UW Safety - RMMC at 307-766-3698.  |
| 8 Special Precautions for Animal Use | \* |
| Particularly hazardoussubstance involved? |  YES: | Blocks 9 to 11 are Mandatory |
|  X NO: | Blocks 9 to 11 are Optional. |
| 9 Approval Required | N/A |
| 10 Decontamination | N/A |
| 11 Designated Area | N/A |
| Name (print) (Assessor): Title: |
| Signature (Assessor): Date:  |
| Name (print) (PI, Lab Manager, or Unit Head): Title: |
| Signature (PI, Lab Manager, or Unit Head): Date:  |
|  Date Sent to UW Safety:  |