

## Pyrophoric Materials Information Sheet

Pyrophoric materials are extremely reactive toward oxygen and in most cases, water, and must never be exposed to the atmosphere. Exposure of these materials to air (or moisture) could result in spontaneous combustion, which could cause serious burns or other injuries.

### Handling and Use Precaution

- **Training:** Hands-on training demonstrating competency of laboratory approved pyrophoric procedures are required before using pyrophoric materials.
- **Work under the buddy system:** Pyrophoric materials should never be handled while working alone.
- **Handle only under an inert atmosphere:** Never expose the pyrophoric material to air or moisture.

### Required Personal Protective Equipment

- **Lab Coat:** Wear a knee-length flame resistant lab coat.
- **Eye Protection:** Wear ANSI certified (Z87) chemical splash goggles.
- **Hand Protection:** Wear chemically compatible gloves.

### Storage and Disposal

- Store pyrophoric materials under an inert atmosphere.
- Glass bottles of pyrophoric materials should not be handled or stored unprotected.
- Waste pyrophoric materials must be left in the manufacturer container and placed in the SAA for disposal.

Additional information can be found on the EHSS website or by contacting [ehss@syr.edu](mailto:ehss@syr.edu) or 315.443.4132