

Laboratory Specific Working Alone Protocol Approval*

Lab Worker: _____

Lab Location: _____ Date: _____
(include date range for this specific protocol)

- This procedure *does not* involve any highly hazardous materials or processes. "Working Alone" is allowed.
- This procedure involves work with highly hazardous materials or processes. Check appropriate category:

Chemical Hazards: *Working with any materials in these hazard classes requires a "buddy system"*

<input type="checkbox"/> Pyrophoric Chemicals (ex.: Lithium Reagents: RLi (R = alkyls, aryls, vinyls); Metal carbonyls: Lithium carbonyl, Nickel tetracarbonyl; Metal hydrides: Potassium Hydride, Sodium hydride, Lithium Aluminum Hydride; Nonmetal hydrides: Arsine, Boranes, Diethylarsine, diethylphosphine, Germane, Phosphine, phenylphosphine, Silane; Elements: Phosphorus, Cesium, Lithium, Potassium, Sodium, Sodium Potassium Alloy (NaK)), or listed as OSHA Hazard Class Pyrophoric
<input type="checkbox"/> Water Reactive Chemicals (ex.: Aluminum Carbide, Calcium, Calcium carbide, Lithium aluminum hydride, Potassium, Sodium), or listed as OSHA Hazard Class "substances which, in contact with water, emit flammable gases"
<input type="checkbox"/> Potentially Explosive Chemicals (ex.: Azide Metal (M-N3), Nitrate (-ONO2), Nitro (-NO2), Nitrite (-ONO), Peroxide (-O-O-), Ammonium nitrate, Ammonium perchlorate, Benzoyl peroxide, Dinitrophenol, Nitrocellulose, Picric acid (trinitrophenol), Urea nitrate), or listed as OSHA Hazard Class Explosive or Self-reactive
<input type="checkbox"/> Explosive Salts (ex.: Perchlorate salts (ClO4-)), or listed as OSHA Hazard Class Explosive or Self-reactive
<input type="checkbox"/> Acutely Toxic Chemicals (ex.: Carbon Monoxide, Cyanide salts, Digoxin, 2,4-Dinitrophenol, Methyl mercaptan, Nitric oxide, Phosgene, Potassium cyanide, Sodium Azide, Sodium cyanide, any chemical with LD50 (oral) < 50 mg/kg) or listed as OSHA Hazard Class Acutely Toxic Category 1 or 2
<input type="checkbox"/> Peroxide Forming Chemicals (ex.: Isopropyl Ether, Methyl Isobutyl Ketone, Tetrahydrofuran, Acrylonitrile, Methyl Methacrylate, Styrene), or listed as OSHA Hazard Class Peroxide
<input type="checkbox"/> Strong Corrosives (ex., Hydrochloric acid, Hydrofluoric acid, Nitric acid, Perchloric acid, Phenol, Sulfuric acid, Potassium hydroxide, Sodium hydroxide), or listed as OSHA Hazard Class Corrosive
<input type="checkbox"/> Strong Oxidizing Agent (ex.: Ammonium perchlorate, Ammonium permanganate, Bromine, Calcium chlorate, Calcium hypochlorite, Chromic acid, Hydrogen peroxide, Oxygen), or listed as OSHA Hazard Class Oxidizer
<input type="checkbox"/> Strong Reducing Agents (ex.: Lithium, Lithium aluminum hydride, Magnesium, Potassium, Sodium, Sodium borohydride)
<input type="checkbox"/> Regulated Carcinogens (ex.: Acrylonitrile, Benzene, Formaldehyde, Gallium Arsenide, Inorganic Arsenic, Paraformaldehyde), or listed as OSHA Hazard Class Carcinogen
<input type="checkbox"/> Other:

Biological Hazards: *Working with any materials in this hazard class requires a "buddy system"*

<input type="checkbox"/> Select Agents (ex. Botulinum neurotoxin, Tetrodotoxin, Yersinia pestis) http://www.selectagents.gov/SelectAgentsandToxinsList.html
<input type="checkbox"/> Other:

Health and Safety Requirements:

Can the person rescue themselves in case of an emergency? Yes No
Identify the "Buddy" and confirm they are available before beginning work:
Drake Guardian activated? During a timer session, Guardians and Public Safety can view your profile—which can include medical conditions, address, and photo—and monitor your location. If the Safety Timer is not deactivated manually before it expires, Public Safety is automatically provided with your Rave Guardian profile to proactively identify and check in on you. http://www.drake.edu/publicsafety/drakeguardianmobileapp
The Laboratory Emergency Plan is posted near the lab phone. The names and phone numbers for the lab and building contacts are up to date.

Principal Investigator Approval:

I have reviewed the Hazard Assessment for this procedure, the tasks and hazards involved in the work, the consequences resulting from a worst-case scenario, the possibility of an accident or incident that would prevent the laboratory personnel from calling for help, the laboratory personnel's training and experience and the time the work is to be conducted (during normal business hours versus at night or on weekends/holidays). This lab worker has permission to work alone on this procedure.

PI Signature: _____ Date: _____

**This is a recommended form for labs to use when approving "Working Alone". The PI can change these recommended hazards that would require the Buddy System, unless required by another policy.*