

Responsible Person:

Date:

Building/Rooms:

Department:

Instructions

Use this tool to identify the hazards in your laboratory/shop/studio. Revisit this tool annually or when your work changes. SOP templates for many hazards are available in the [SOP Library](#).

Check the box next to each hazard present

List relevant examples

Chemicals

| | |
|---------------------------------|-------------------|
| Acute toxicants | Compressed gases |
| Carcinogens | Acetylene |
| Cryogenic liquids | Flammable gases |
| Flammables | Oxidizing gases |
| Oxidizers | Toxic gases |
| Peroxide-forming chemicals | Corrosives |
| Potentially explosive materials | HClO ₄ |
| Pyrophoric materials | HF |
| Reproductive toxicants | HNO ₃ |
| Toxic materials | Phenol |
| Water-reactive materials | Picric Acid |
| | Piranha |

Biologicals

| | |
|--------------------------|----------------------------------|
| Biological toxins | Human, plant or animal pathogens |
| Human cells or materials | Viral vectors |

Radiation

| | |
|-------------------------|--|
| Class 3B or 4 lasers | Radiofrequency (RF) or microwave sources |
| Laser cutters/engravers | Sealed sources |
| Magnetic field sources | UV light sources |

Physical and Other

| | |
|--------------------------------------|-----------------------------------|
| 3D printers | Lithium ion batteries |
| Autoclaves | Nanomaterials |
| Centrifuges | Open flames |
| Cranes and/or hoists | Sharps (needles, blades, etc.) |
| Field/off-campus work | Shop equipment |
| Heat hazards (furnaces, ovens, etc.) | Sonicator or other loud equipment |
| High-voltage (>50 V) equipment | Vessels under pressure or vacuum |
| Lab-made or -modified equipment | Working >4 ft above ground |
| | Other (list examples) |