



Gas Cylinders

Toolbox Talks are intended to facilitate health and safety discussions. Find more Toolbox Talks on the [Occupational Safety web page](#).

General Information

Compressed gas cylinders are common in shops and labs across campus and can contain a variety of inert or hazardous gases at extremely high pressures. While cryogenic tanks are not compressed gases, they should be treated in the same manner.



Proper Use and Handling

- Gas cylinders should be secured to a wall or counter above the mid-point and below the shoulder to prevent fall over.
- Secure cylinder to hand trucks to move them around the lab or shop.
- Cylinders should be capped when not in use or connected to a regulator.
- Cylinders should have labels with contents and signal words visible.
- If a cylinder, valve, or regulator is damaged, close the valve and notify your supervisor immediately.
- Do not ride in an elevator with a cylinder, follow elevator transport SOP.
- Never transport cylinders in the passenger compartment of a vehicle.
- Cylinders should be stored upright and away from potential falling objects, corrosives, flammables, or extreme heat sources.
- Store non-compatible gases in different locations.
- All cylinders should be listed on your [chemical inventory](#).

Emergency Action Plan

- What kind of gases are present in your shop or lab?
 - Are they flammable?
 - Are they toxic?
- What steps should you take in the event of a minor or major leak?
- Where is the meeting location in the event of a leak?

Additional Resources

- [Click here](#) for the ISU EH&S Gas Cylinder safety manual.
- [Click here](#) to launch Learn@ISU for additional gas cylinder training.

Discussion Date:

Supervisor:

Participants:

Photo Source : EH&S Stock