



Compressed Gas Cylinder Safety Guide

Using toxic gases?

Contact DEHS for guidance on special safety procedures.

(502) 852-2956

Using flammable and oxidizing gases?

These gases cannot be stored together! Separate by at least 20ft.

Contact DEHS for guidance on proper segregation.

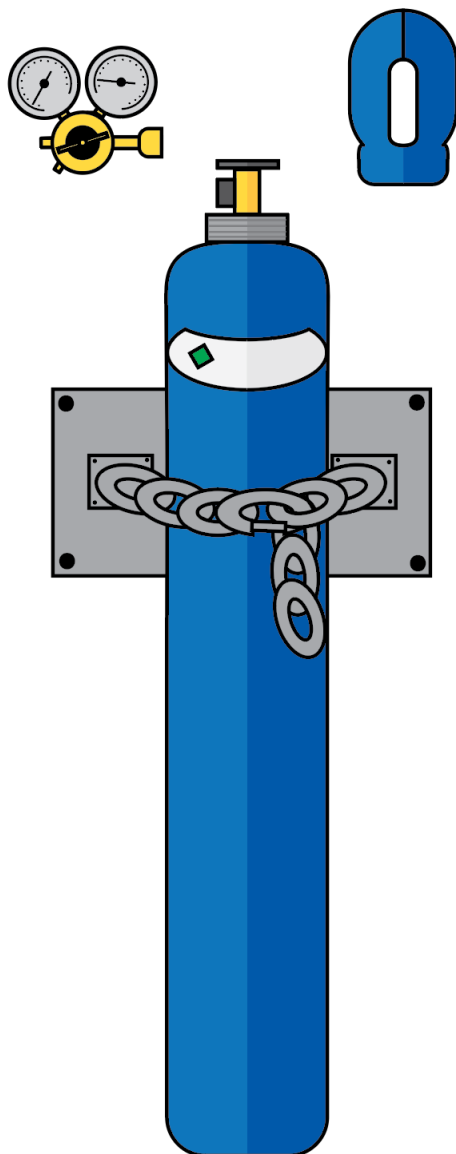
(502) 852-6670

Safety Contacts

Environmental Health and Safety
(502) 852-6670

Hazardous Waste Coordinator
(502) 852-2956

University of Louisville Police Dept.
Non-Life Threatening (502) 852-6111



Regulator if in use, capped if not in use

Regulator is approved for specific gas

Cylinder labeled with chemical name

Empty cylinders identified as empty

Secured upright at all times to prevent tipping

Secured close to the midpoint of cylinder

Secured with metal chain or flame-retardant straps to wall or bench

Minimize number of cylinders stored

Do not store in hallways or unprotected areas.

Best Practices

- Do not move a gas cylinder unless:
 - Cylinder is capped (do not transport with regulator).
 - Using and secured to an appropriate cylinder dolly.
- Do not lift cylinders by the cap.
- Do not force a valve connection or use oil, grease, or other lubricants on valves to make them fit.
- Do not empty a cylinder by off-gassing.
- Do not tamper with, attempt to repair, or replace safety devices on cylinder valves.
- Consider oxygen-monitoring devices when storing large quantities of cylinders in small spaces.

DIAL 9-1-1
for Fire or Life-Threatening Emergency

Always wear appropriate PPE when working in the lab!
Minimum PPE for cylinders: safety glasses, close-toed shoes