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

Best Practices
• Do not move a gas cylinder unless:
  o Cylinder is capped (do not transport with regulator).
  o 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.

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