

# WEEKLY SAFETY MEETING

FOR THE CONSTRUCTION INDUSTRY

© SAFETY MEETING OUTLINES    Box 700, Frankfort, IL 60423    815-464-0200    No. 3    Vol. 21    Week of *JAN 08*

Company Name \_\_\_\_\_ Job Name \_\_\_\_\_ Date \_\_\_\_\_

## GAS CYLINDERS

Very often we have the need for gases like acetylene, oxygen, hydrogen, air and liquified petroleum gas on the jobsite. Usually these gases are stored under high pressure in compressed gas cylinders. When handled and used properly, these compressed gas cylinders are very safe. On the other hand, some people call them "sleeping giants" because they have seen the destruction they can cause. If the valve gets broken off a full cylinder, the cylinder can take off like a rocket, crashing through equipment, even brick, block, or concrete walls — you certainly don't want to be in its way. More importantly, get in the habit of handling cylinders with care to keep the giants sleeping.

When transporting, moving, or storing compressed gas cylinders keep them in an upright position, with the valve protection caps on. **Never** allow compressed gas cylinders to drop, to be struck, or to bang against each other. **Never** use any cylinder as a rolling device. **Never** transport cylinders with pressure regulators in place. **Never** place cylinders where they could come in contact with an electrical circuit. **Never** permit sparks, flames, molten metal, or excessive heat to contact a cylinder. **Never** use oil or grease on valves or attachments. **Never** use leaky cylinders. **Never** store oxygen cylinders with fuel cylinders. **Never** use cylinders to support other work or as a scaffold. **Never** tamper with the safety devices on valves.

**Do** mark empty cylinders "empty" or "MT." **Do** close valves completely on empty cylinders. **Do** inspect cylinder valves, regulator threads, and gauges prior to installing them on a compressed gas cylinder. **Do** stand to one side when opening the valve, not in front of it or behind it. **Do** open cylinder valves slowly and carefully. **Do** check for leaks on the regulator and cylinder valve connections. **Do** use a T-wrench when opening an acetylene cylinder. **Do** use a portable cylinder cart when moving cylinders. **Do** return empty cylinders to the proper cylinder storage area.

**Separate oxygen and fuel gas cylinders  
by at least 20 feet or a 5-foot high,  
noncombustible barrier.**

### SAFETY REMINDER

Special Topics For Your Project \_\_\_\_\_

Employee Safety Recommendations \_\_\_\_\_

Reviewed MSDS # \_\_\_\_\_ Subject \_\_\_\_\_

Meeting Attended By \_\_\_\_\_

Supervisor's Signature \_\_\_\_\_