

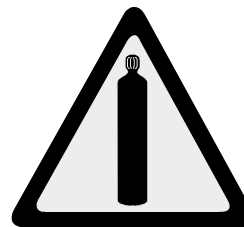
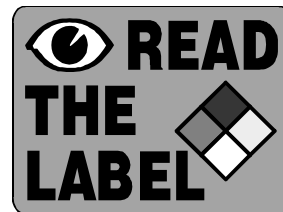
Flammable Compressed Gas

Dangers of Flammable Compressed Gas

- ◆ Compressed gas cylinders may explode when:
 - Handled roughly
 - Exposed to excessive heat or an ignition source, such as a spark or flame
 - Vapors travel to an ignition source to cause flashback

How to Use a Cylinder

- ◆ Read the label, cylinder markings, or bills of lading *before* handling the container
 - The color or shape of the cylinder changes from manufacturer to manufacturer and, therefore, *cannot* be used as a coding system
- ◆ Contact the supplier if the cylinder does not have legible written identification
- ◆ Examine compressed gas cylinders upon their arrival
- ◆ Isolate cylinders showing signs of damage or leakage and return them to the supplier as soon as possible
- ◆ When handling cylinders, do not drop or bang them against each other
- ◆ Check hoses and connections
 - Are they in good condition?
 - Are they leak-free?
 - Will they tighten properly?
- ◆ Point the valve outlet away from you when opening a cylinder
- ◆ Keep the steel protective cap on over the valve and screwed down to the last thread when the cylinder not in use



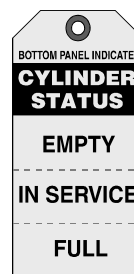
Flammable Compressed Gas *(continued)*

Cylinder Transfer

- ◆ Securely fasten the cylinder in a near upright position on specially designed hand trucks
- ◆ Do not roll, drag, or slide cylinders
- ◆ Cylinders should *not* be used as rollers or supports
- ◆ Cylinders should *not* be lifted by their caps
- ◆ Cradles or platforms can be used to lift cylinders manufactured with lifting attachments

In Transit:

- ◆ Make sure the cylinders are labeled correctly
- ◆ Observe “*No Smoking*” rules
- ◆ A compressed gas cylinder that has been exposed to fire should not be shipped
- ◆ The vehicle used to transport cylinders should have a flat floor
- ◆ Prevent cylinders from overturning
 - Lash cylinders in the upright position
 - Load cylinders into racks and securely fasten to the vehicle
 - Pack cylinders in boxes or crates
 - Load cylinders horizontally



Storage Requirements

- ◆ Maintain 20 feet or more between the storage area for flammable gases and flammable liquids
- ◆ Store cylinders valve end up — secure in position with a chain or cable
- ◆ Keep the fire-resistant storage area clean and free of combustible materials
- ◆ Position fire extinguishers close to the storage area

