

1513.0910 CONTAINERS AND CYLINDERS.

Subpart 1. **Applicable standards.** Containers and cylinders must comply with current DOT specifications and must be maintained, filled, packaged, marked, labeled, and shipped to comply with current DOT regulations, OSHA regulations, and CGA C-4, American National Standard Method of Marking Portable Compressed Gas Containers to Identify the Material Contained (ANSI/CGA C-4).

Subp. 2. **Storage.** Containers and cylinders must be stored in an area free from ignitable debris and in a manner that prevents external corrosion. Storage may be indoors or outdoors. Cylinders stored outdoors must be protected against accumulation of ice and snow.

Subp. 3. **Burial.** Containers and cylinders must not be buried below ground.

Subp. 4. **Surfaces; connections.** Containers and cylinders must be set upon firm, level surfaces or otherwise firmly secured. The possible effects settling or frost have on the outlet piping must be guarded against by appropriate use of a flexible connection or special fitting.

Subp. 5. **Heat sources.** Containers and cylinders must be protected from heat sources such as radiant flame and steam pipes. Heat must not be applied directly to containers or cylinders to raise the pressure. A cylinder filled according to DOT regulations will become liquid full at 145 degrees Fahrenheit and will rupture upon further temperature rise.

Subp. 6. **External damage.** Containers and cylinders must be stored in a manner to protect them from moving vehicles or external damage.

Subp. 7. **Valve protection.** A container or cylinder designed to have a valve protection cap or device must have the cap or device securely in place when the container or cylinder is not in service. This requirement does not apply at a facility specifically designated for filling containers or cylinders.

Subp. 8. **Trap; back pressure check valve.** Any process system connected to a container or cylinder must be equipped with a trap or back pressure check valve to prevent the entry of foreign matter into the container or cylinder.

Statutory Authority: *MS s 18C.121*

History: *21 SR 277*

Published Electronically: *September 10, 2007*