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COMPRESSED GAS CHECKLIST

California Fire Code Chapter 30

Scope

An operational permit is required for storage, use or handling at normal temperature and pressure (NTP) of compressed gases in excess of the amounts listed in California Fire Code, Table 105.6.8.

Exception: Vehicles equipped for and using compressed gas as a fuel for propelling the vehicle.

Partially full compressed gas containers, cylinders or tanks containing residual gases shall be considered as full.

Conditions:

- Equipment, machinery and associated suppression, detection and alarm systems are tested and maintained.
- Material Safety Data Sheets (MSDS) are readily available on site.
- Compressed gases are not discharged onto the ground, into the atmosphere or into sewers, storm drains, etc.
- Hazard identification (i.e. NFPA 704 placard) is provided on containers, cylinders, tanks and building entrances.
- Containers, cylinders and tanks are labeled with their contents (i.e. chemical name and hazard class).
- "No Smoking" signage is posted.
- Open flame and high temperature devices are not used.
- Storage does not exceed maximum allowable quantities and/or number of control area(s).
- Piping systems are marked with the content name and direction of flow at 20 foot intervals and at each valve, change of direction and at wall, floor, or ceiling penetrations.
- Containers, cylinders and tanks are protected against tampering, physical damage and vehicle impact.

- Containers, cylinders and tanks are secured to a fixed object, on a cart, nested or in a rack.
- Containers, cylinders, tanks and tank valves have protective caps, collars or other protective device.
- Incompatible materials are separated by minimum 20 feet, non-combustible barrier, storage cabinet or gas cabinet.
- Containers, cylinders and tanks are located more than 10 feet from combustible waste, vegetation and similar materials.
- Containers, cylinders and tanks are not exposed to temperatures exceeding 125°F (52°C) or sub ambient (low) temperatures, unless designed for use under the exposed conditions.
- Class I electrical and electronic equipment is provided and maintained where applicable.
- Leaking, damaged or corroded containers, cylinders and tanks are removed from service.
- Containers, cylinders and tanks are stored and used in the upright, valve end up position, unless designed for horizontal use.
- Medical gas room one-hour construction or gas cabinet is maintained.
- Medical gas emergency shut-off valves are clearly visible and identified.
- Ventilation is adequate for compressed gases not specifically regulated in the California Fire Code.
- 4A:80B:C rated fire extinguisher(s) is provided and travel distance does not exceed 50-feet.

Additional Requirements may apply.