

**General Requirements
New Rules
4-29-11**

(--) You must:

(--) Guard against mixtures of fuel gases and air or oxygen that may be explosive. 253(a)(1)

(--) Keep oxygen cylinders away from contacting oil and grease. 350(i)

(--) Keep oxygen cylinders, fittings, cylinder caps and valves, coupling, regulators, hose and apparatus free from oil or greasy substances. 350(i) & 253(b)(5)(i)

(--) Only use approved apparatus such as torches, regulators, or pressure reducing valves, hoses and connections, protective equipment, acetylene generators, and manifolds. 253(a)(3)

(--) Use cylinders that meet the Department of Transportation requirements published in 49 CFR Part 178, Subpart C, Specification for Cylinder. 350(c)(2)

(--) Use portable cylinders for the storage and shipment of compressed gases that are constructed and maintained in accordance with the U.S. Department of Transportation regulations, 49 CFR pars 171-179. 253(b)(1)(i)

(--) Use compressed gas cylinders that are legibly marked identifying the gas content with either the chemical or trade name of the gas. 253(b)(1)(ii)

(--) Ensure that cylinders are marked by means of stenciling, stamping, or labeling that are not readily removable. 253(b)(1)(ii)

(--) You must not:

(--) Remove any product labels or shipping hazard labels.

(--) Deface any product labels or shipping hazard labels.

(--) Use liquid acetylene. 253(a)(4)

(--) Generate acetylene at a pressure in excess of 15 psig (30 psia). 253(a)(2)

(--) Pipe or utilize at a pressure in excess of 15 psig unless it is in an approved manifold. 253(a)(2)

NOTE 1: This requirement does not apply to storage of acetylene dissolved in a suitable solvent in cylinders manufactured and maintained according to U.S. Department of Transportation requirements, or to acetylene for chemical use. 253(a)(2)

NOTE 2: The 30 psia (15 psig) limit is intended to prevent unsafe use of acetylene in pressurized changers such as caissons, underground excavations, or tunnel construction. 253(a)(2)

(-- Handle oxygen cylinders, cylinder caps and valves, couplings, regulators hoses, and apparatus with oily hands or gloves. 350(i) & 253(b)(5)(i)

(-- Direct oxygen; 350(i) & 253(b)(5)(i)

(-- At oily surfaces. 350(i) & 253(b)(5)(i)

(-- At greasy clothes. 350(i) & 253(b)(5)(i)

(-- Into a fuel oil or other storage tank or vessel. 350(i) & 253(b)(5)(i)

(-- Blow off clothing with oxygen.

(-- Use any device or attachment facilitating or permitting mixtures of air or oxygen with flammable gases prior to consumption, except at the burner or in a standard torch, unless approved for the purpose. 253(a)(1)

(-- Attempt to mix gases in a cylinder unless you are a gas supplier. 350(c)(2)

(-- Refill a cylinder unless you are: 350(c)(2)

(-- The owner of the cylinder. 350(c)(2)

(-- Authorized by the owner of the cylinder. 350(c)(2)

(-- Use a cylinder's contents for purposes other than those intended by the supplier. 350(c)(2)

(-- Use a damaged cylinder. 350(c)(3)

(-- Tamper with the numbers and markings stamped into cylinders. 253(b)(5)(ii)L)