

**Calcium Carbide Storage
New Rule
4-29-11**

437-002-3253(xx) (g) Calcium carbide storage. (g)

437-002-3253(xx) (g)(1) Packaging. 253(g)(1)

(a) You must:

(A) Only use calcium carbide from containers: 253(g)(1)(i)

(i) Constructed from metal having sufficient strength to prevent rupture.
253(g)(1)(i)

(ii) Equipped with a screw top or equivalent. 253(g)(1)(i)

(iii) Constructed to be water-and-air-tight. 253(g)(1)(i)

(iv) That are soldered in a manner that the package will not fail if exposed to fire. 253(g)(1)(i)

(B) Ensure that packages containing calcium carbide are conspicuously marked “Calcium Carbide – Dangerous If Not Kept Dry” or with equivalent warning. 253(g)(1)(ii)

(C) Be aware of the Caution: “Metal tools, even the so-called spark resistant type may cause ignition of an acetylene and air mixture when opening carbide containers. 253(g)(1)(iii)

(b) You must not:

(A) Store calcium carbide in a room equipped with a sprinkler system. 253(g)(1)(iv)

(g)(2) 437-002-3253(xx) Storage outdoors. (currently 253(g)(2))

(a) You must:

(A) Store calcium carbide In dry, waterproof, and well-ventilated locations when quantities of 600 pounds or less are stored indoors. 253(g)(2)(i)

(B) Keep packages of calcium carbide sealed, except for one of each size. 253(g)(2)(i)(B)

(C) Store calcium carbide exceeding 600 pounds (272.2 kg) but not exceeding 5,000 pounds (2,268 kg): 253(g)(2)(ii)

(i) In accordance with paragraph (g)(2)(iii) of this section;

(ii) In an inside generator room or outside generator house; or

(iii) In a separate room in a one-story building which may contain other occupancies, but without cellar or basement beneath the carbide storage section. Such rooms shall be constructed in accordance with paragraphs (f)(6)(i)(H) and (f)(6)(i)(I) of this section and ventilated in accordance with paragraph (f)(6)(ii) of this section. These rooms shall be used for no other purpose.

(D) Store calcium carbide in excess of 5,000 pounds (2,268 kg) in: 253(g)(2)(iii)

(i) An outside generator houses, or

(ii) A one story buildings without cellar or basement and used for no other purpose

(I) If the storage building is of noncombustible construction, it may adjoin other one-story buildings if they are separated by unpierced firewalls;

(II) If the storage building is detached and less than 10 feet (3 m) from a building or buildings, there must not be an opening in any of the mutually exposing sides of such buildings within 10 feet (3 m).

(III) If the storage building is of combustible construction, it must be at least 30 feet (9.1 m) from any other building exceeding two stories.

(b) You must not:

(A) Store more than 600 pounds of calcium carbide in the same room with fuel-gas cylinders. 253(g)(2)(i)(a)

(B) Break the seals when there is carbide in excess of 1 pound (0.5 kg) in any other unsealed package of the same size of carbide in the room. 253(g)(2)(i)(B)

437-002-3253(xx) Storage outdoors. (currently 253(g)(3))

(a) You must

(A) Examine carbide containers to be stored outdoors to make sure they are in good condition.

(B) Place the bottom tier of each row on wooden planking or equivalent so container will not contact the ground or ground water.

(C) Periodically reexamine carbide containers for rusting or other damage that might affect its water or air tightness.

(D) Use carbide containers that are stored the longest, first.

(b) You must not:

(A) Store opened containers of calcium carbide outdoors.