



*City of Anaheim*  
**Fire Department**  
*Fire Prevention Bureau*

## Specifications and Requirements

**Subject: STORAGE CABINETS FOR FLAMMABLE/COMBUSTIBLE LIQUIDS AND HAZARDOUS MATERIALS**

**References: California Fire Code, 2007 Edition, Sections 3404.3.2.1, 3404.3.2.2, 2703.8.7.1, 2703.8.7.2**

All flammable/combustible liquids and hazardous material storage cabinets must be of an approved type. Cabinets may be constructed or purchased. Multiple cabinets are allowed in the same area or building. The amount of flammable/combustible liquids or hazardous materials allowed in each cabinet and the cabinet construction requirements are as follows:

### **FLAMMABLE AND COMBUSTIBLE LIQUID STORAGE CABINETS**

#### **When Cabinets are Required**

The quantities which require cabinets of flammable or combustible liquids are found in Table 2703.1.1 (1) of the California Fire Code. The California Fire Code permits the allowable quantities of flammable and combustible liquids to be doubled if stored in a cabinet. Contact the Fire Prevention Bureau, Life Safety Section, if you need further information.

#### **Amounts Allowed in Flammable and Combustible Liquid Cabinets**

The combined quantity of Class I or Class II liquids in a cabinet shall not exceed 60 gallons, and the total quantity of all liquids shall not exceed 120 gallons. If you are unsure of the classification of the liquid(s), contact the Fire Prevention Bureau.

#### **Construction of Flammable and Combustible Liquid Cabinets**

1. Cabinets shall be constructed of wood or metal and approved by the Anaheim Fire Department.
2. An Underwriters Laboratory pre-manufactured cabinet listed for storage of flammable and combustible liquids may be used. These cabinets can be purchased at safety supply stores. Metal or wooden cabinets may be built in accordance with Item 3 or 4 below.
3. Metal cabinets shall be constructed of steel having a thickness of not less than 0.0478 inch (18 gauge). The cabinet, including the door, shall be double walled with 1½ inch airspace between the walls. Joints shall be riveted or welded and shall be tight fitting.
4. Wooden cabinets, including doors, shall be constructed of not less than one inch interior grade plywood. Joints shall be rabbited and fastened in two directions with wooden screws. Door hinges shall be of steel or brass. Cabinets shall be painted with an intumescent-type paint.
5. Cabinets shall be conspicuously labeled in red letters on contrasting background, "FLAMMABLE – KEEP FIRE AWAY."
6. Doors shall be well fitted, self-closing and equipped with a three-point latch.
7. The bottom of the cabinet shall be liquid tight to a height of two inches.

### **HAZARDOUS MATERIAL STORAGE CABINETS**

#### **When Cabinets are Required**

The quantities requiring cabinets for hazardous materials storage are found in Chapter 27, of the California Fire Code. Contact the Fire Prevention Bureau, Hazardous Materials Section, if you need further information.

#### **Construction of Hazardous Material Storage Cabinets**

1. An Underwriters Laboratory listed pre-manufactured cabinet listed as suitable for the intended storage may be purchased at safety supply stores.
2. Metal cabinets may be constructed as required for flammable cabinets in Item 3 above, and as follows. (Wooden cabinets cannot be used for hazardous materials storage).
  - a. Cabinets are to be labeled in red letters on contrasting background, "HAZARDOUS – KEEP FIRE AWAY."
  - b. The interior of the cabinets shall be treated, coated or constructed of materials that are non-reactive with the hazardous material stored. Such treatment, coating or construction shall include the entire interior of the cabinet.
3. Doors shall be well fitted, self-closing, and equipped with a self-latching device.
4. The bottom of cabinets utilized for the storage of liquids shall be liquid tight to a minimum height of two inches.

**For further information regarding these requirements contact: Fire Prevention Bureau at (714) 765-4040 between the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday.**