

SAFETY COMPENDIUM – FLAMMABLE STORAGE

1. Hazardous material must be stored in proper cabinets. Flammable and combustible liquids such as lubricants, paints, and other items must be stored in an area constructed to conform to Occupational Safety and Health Administration (OSHA).
2. Not more than 60 gallons of flammable or 120 gallons of combustible liquids shall be stored in any one storage cabinet. Not more than three such cabinets may be located in a single storage area. Quantities in excess of this shall be stored in an inside storage room.
3. No more than 25 gallons of flammable or combustible liquids shall be stored in a room outside of an approved storage cabinet.
4. Storage cabinets shall be designed and constructed to limit the internal temperature to not more than 325 deg. F. when subjected to a 10-minute fire test using the standard time-temperature curve. All joints and seams shall remain tight and the door shall remain securely closed during the fire test. Cabinets shall be labeled in conspicuous lettering, "Flammable - Keep Fire Away."
5. Metal cabinets constructed in the following manner shall be deemed to be in compliance. The bottom, top, door, and sides of cabinet shall be at least No. 18 gage sheet iron and double walled with 1 1/2 - inch air space. Joints shall be riveted, welded or made tight by some equally effective means. The door shall be provided with a three-point lock, and the door sill shall be raised at least 2 inches above the bottom of the cabinet.
6. Flammable or combustible liquids shall not be stored so as to limit use of exits, stairways, or areas normally used for the safe egress of people.
7. Storage shall be prohibited in offices except that which is required for maintenance and operation of building and operation of equipment. Such storage shall be kept in closed metal containers stored in a storage cabinet or in safety cans or in an inside storage room not having a door that opens into that portion of the building used by the public.
8. Leaking containers shall be removed to a storage room or taken to a safe location outside the building and the contents transferred to an undamaged container.
9. Flammable and combustible materials must be stored in approved tanks, safety cans or other containers. The quantity for each type of container (glass, safety can, tank) is shown in the table below:

10. Maximum Container Volume

Container Type	Flammable Liquids			Combustible Liquids	
	Class 1A	Class 1B	Class 1C	Class II	Class III
Glass or Approved Plastic	1 pint	1 quart	1 gallon	1 gallon	1 gallon
Metal (not DOT drums)	1 gallon	5 gallon	5 gallon	5 gallon	5 gallon
Safety Can	2 gallon	5 gallon	5 gallon	5 gallon	5 gallon
Metal Drums (to DOT Specifications)	60 gallon	60 gallon	60 gallon	60 gallon	60 gallon
Approved Portable Tanks	660 gallon	660 gallon	660 gallon	660 gallon	660 gallon

If the material is used outside of an indoor storage room, or a storage cabinet in a building, or in any one fire area of a building, the quantity must not exceed the following:

- a. 25 gallons of Class IA materials in approved containers.
- b. 120 gallons of Class IB, IC, II, or III liquids in containers.
- c. 660 gallons of Class IB, IC, II, or III liquids in a single portable tank.