

Storage of Flammable Liquids

Audience: University of Connecticut
Campus Covered: All
Reg. Citations: UCONN Standard Operating Procedure
Last Revised: September 2001

- **Flammables stored near ignition sources, heat, flames.**

Flammable liquids must be stored under appropriate conditions at all times. Flammables should not be stored near electrical outlets, vacuum pumps, and any other heat source. Storage in cabinets with electrical wiring shall be avoided. If the storage can not be moved a work order shall be placed to remove the outlet and wiring from the storage cabinet.

- **Storage areas of flammable material must be labeled.**

The label can be either a red flammable diamond sticker. Or a sign stating flammable storage. These signs or labels are used by emergency personal in the event of an emergency.

- **Rated flammable cabinet.**

It is strongly recommended that a flammable storage cabinet be purchased for 'large flammable storage' (>5 gallons). Storage of flammable material in excess of 5 gallons creates a fire hazard. A storage unit can be used to accommodate a group of labs in an area. (Note: storage of hazardous waste must be done on a per room basis. Federal EPA Law)

- **Flammables storage in an appropriate refrigerator.**

Flammables must be stored in an appropriate refrigerator. Any refrigerator that is used for flammable storage must be designed for flammable or explosive

storage (i.e. no ignition sources such as exposed electrical contacts) (Flammable liquid / solids are material that have a flash point <140F.)

Fire Code regulations limit the quantity of flammable liquids stored in research and teaching laboratories at the University of Connecticut.

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- **Quantity Limits outside Flammable Storage Cabinets**

A maximum of (5) gallons of flammable liquids may be stored outside a flammable storage cabinet at any one time. All Flammable material shall be put away when not in use.

- **Quantity Limits within Flammable Storage Cabinets**

Flammable liquids stored in approved cabinets within laboratories or classroom shall not exceed (55) gallons (unless approved by EH&S and the UCONN Fire Department).

- **Maximum Container Capacity**

The capacity of glass containers shall not exceed one (1) gallon.

The capacity of all other containers (including safety cans) shall not exceed (5) gallons.

