

In this Chapter :

- ⇒ **Storage, handling and use of Flammable and combustible liquids**
- ⇒ **Minimum required separation distances from flammable and combustible liquid storage**
- ⇒ **Maximum Allowed Quantity of flammable and combustible liquids**

Intent of the Chapter

- To provide guidelines to designers, users, producers, distributors and those involved with safe handling, storage and use of Flammable and Combustible liquids
- To restrict flammable and combustible liquids to maximum allowed quantities occupancy wise.

1. Definitions

1.1. General

1.1.1. Shall

It is a mandatory requirement by Civil Defence

1.1.2. Should

It is a suggested requirement recommended by Civil Defence but not mandatory.

1.1.3. Listed

Approved and registered by individual Emirates' Civil Defence material department.

1.1.4. Approved

Approved and registered by individual Emirates' Civil Defence material department.

1.1.5. Gallon (U.S.)

1 U.S. gal = 3.785 L.

1.1.6. Barrel

A unit of volume used in the petroleum industry that is equal to 0.159 m³ (159 L or 42 gal).

1.1.7. Boiling Point

The temperature at which the vapor pressure of a liquid equals the surrounding atmospheric pressure.

1.1.8. Flash Point

The minimum temperature of a liquid at which sufficient vapor is given off to form an ignitable mixture with the air, near the surface of the liquid or within the vessel used.

1.1.9. Vapor Pressure

The pressure, measured in pounds per square inch, absolute (psia), exerted by a liquid.

1.1.10. Material Safety Data Sheet (MSDS)

It is a document that gives detailed information about the nature of that particular chemical, such as

- a. Physical and chemical properties
- b. Health, safety, fire and environmental hazards
- c. Handling, storage and transportation requirements