

Table 13.2.: Indoor Storage of Liquids in Containers

ITEM	REQUIREMENTS
4. QUANTITY AND CONTAINER SIZE RESTRICTION	i. Maximum allowable container sizes shall comply with Table 13.2.b.

Table 13.2.b.: Container Sizes for Indoor Storage of Liquids

CONTAINER TYPE	FLAMMABLE LIQUID			COMBUSTIBLE LIQUID	
	Class IA	Class IB	Class IC	Class II	Class IIIA
1. GLASS	0.15 Gal	0.27 Gal	1.3 Gal	1.3 Gal	5.3 Gal
2. APPROVED PLASTIC AND METAL CONTAINER	1.3 Gal	5.3 Gal	5.3 Gal	5.3 Gal	5.3 Gal
3. SAFETY CANS	2.6 Gal	5.3 Gal	5.3 Gal	5.3 Gal	5.3 Gal
4. RIGID PLASTIC IBS's AND COMPOSITE IBS's WITH RIGID INNER RECEPTACLES	-	-	-	793 Gal	793 Gal
5. METAL DRUMS	119 Gal	119 Gal	119 Gal	119 Gal	119 Gal
6. APPROVED METAL PORTABLE TANKS AND IBS's	793 Gal	793 Gal	793 Gal	793 Gal	793 Gal

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ITEM	REQUIREMENTS
5. STORAGE CABINETS	<p>i. Approved metal cabinets shall be required when aggregate volume of liquids exceeds the following quantities. a. Class I AND Class II liquids exceeding 10 Gal. b. The aggregate volume of Class IIIA liquids exceeding 60 Gal. c. The aggregate volume of Class IIIB liquid exceeding 220 Gal.</p> <p>ii. The volume of Class I, Class II, and Class IIIA liquids stored in a storage cabinet shall not exceed 454 L (120 gal).</p> <p>iii. The number of storage cabinets located in any one fire area shall not exceed 3 in non sprinklered area and 6 in sprinklered area.</p> <p>iv. Additional number of cabinets in such groups shall be separated by 30 m, in industrial occupancies.</p> <p>v. All flammable liquid storage cabinets, where proposed shall be metal flammable liquid storage cabinets. However, wooden cabinets with bottom, sides, and top constructed of exterior grade plywood that is at least 25 mm thick and of a type that will not break down or delaminate under fire conditions, shall be permitted.</p> <p>vi. Such storage metal cabinets shall be Civil Defence listed and approved. See Section 6.1.3.</p> <p>vii. The metal cabinets with bottom, top, door, and sides of the cabinet having at least No. 18 gauge sheet steel and double-walled, with 38 mm air space, shall be acceptable.</p> <p>viii. Incompatible liquids shall not be stored in the same cabinet.</p> <p>ix. Cabinet shall not be ventilated. If ventilation is required based on material safety data sheet or based on client requirement, the integrity of the cabinet with the ventilation arrangement must be demonstrated.</p> <p>x. Flammable liquid cabinet shall be yellow in colour. At the upper portion of the front door word "FLAMMABLE" & "KEEP FIRE AWAY" shall be written in red colour.</p>