

Table 13.1: General Requirements for Flammable and Combustible Liquid Storage

ITEM	REQUIREMENTS
9. STORAGES IN BASEMENT	<ul style="list-style-type: none"> i. Only incidental liquid storage are permitted to be stored in the basements with quantity restricted as indicated in Table 13.2.6., Table 13.2.7., and Table 13.2.8. ii. Flammable liquid storage room OR liquid warehouse are not permitted to be in basements. iii. Dispensing OR processing of liquids are not permitted in basement. iv. Class I liquids shall not be stored, used, dispensed in basements. v. Liquids must not be stored more than two levels below grade.
10. SEPARATION OF INCOMPATIBLE LIQUIDS	<ul style="list-style-type: none"> i. All incompatible liquid as identified in their MSDS must be separated in accordance with Table 13.1.b., Table 13.1.c., Separation of Incompatible Liquids and Figure 13.7. Where Table 13.1.b. contradicts with separation and compartmentation requirements of Other Sections of this chapter, more stringent requirement shall apply. ii. The spill containment and drain arrangement shall be separate for incompatible liquids. iii. Water reactive materials must be identified and stored in separate compartment. They must be protected by suitable alternative fire protection system.

Table 13.1.b.: Separation of Incompatible Liquids

DANGEROUS GOODS	UN CLASS	REQUIREMENTS
1. EXPLOSIVES	1.1.	Must not be stored in the same room.
2. FLAMMABLE GASES	2.1	Must be separated by at least 5 meters.
3. NON-FLAMMABLE AND NON-TOXIC GASES	2.2	Must be separated by at least 5 meters.
4. TOXIC GASES	2.3	Must not be stored in the same room.
5. FLAMMABLE SOLIDS	4.1	Must be separated by at least 5 meters.
6. SUBSTANCE LIABLE TO SPONTANEOUS COMBUSTION	4.2	Must be separated by at least 5 meters.
7. SUBSTANCE WHICH IN CONTACT WITH WATER, EMITS FLAMMABLE GAS	4.3	Must not be stored in the same room. It must be in separate room protected by alternative fire protection system.
8. OXIDIZING SUBSTANCES	5.1	Must not be stored in the same room.
9. ORGANIC PEROXIDES	5.2	Must not be stored in the same room.
10. TOXIC SUBSTANCES	6.1	Must be separated by at least 5 meters.
11. INFECTIOUS SUBSTANCES	6.2	Special approval from various authorities is required.
12. RADIOACTIVE MATERIALS	7	Special approval from various authorities is required.
13. CORROSIVE SUBSTANCES	8	Must be separated by at least 5 meters.
14. MISCELLANEOUS HAZARDOUS	9	Must be separated by at least 3 meters.