**Storage and Use of Flammable or Combustible Liquids**

This checklist covers the storage and use of flammable or combustible liquids in drums or other containers not exceeding 60 gallons individual capacity. Class I or Class II liquids in fuel tanks, as well as transient inventories of paints and varnishes, and storages exceeding 60 gallons are covered in other checklists.

#### **Dispensing and Use**

1. Are only approved pumps, drawing from the top of the storage containers, used to transfer flammable liquids? [29 CFR 1910.106(e)(2)(iv)(d) and 29 CFR 1926.152(e)(3 & 5)]
2. Are only approved self-closing valves or faucets used in gravity transfer of flammable liquids from storage containers? [29 CFR 1910.106(e)(2)(iv)(d) and 29 CFR 1926.152(e)(3)]
3. Is air or gas pressure prohibited for transfer of flammable or combustible liquids unless the tank, drum or containers has been approved as a pressure vessel? [29 CFR 1910.106(e)(2)(iv)(d) and NFPA 30]
4. Are containers and portable tanks used for flammable liquids electrically bonded or grounded during transfers? [29 CFR 1926.152(e)(2) and 29 CFR1910.106(e)(3)(vi)]
5. Are leaks and spills of flammable or combustible liquids disposed of promptly and safely? [29 CFR 1926.152(f)(2)]
6. Are spills of flammable or combustible liquids cleaned up promptly? [29 CFR 1910.106(e)(9)(i)]
7. Is the use of flames or sources of ignition prohibited in areas where flammable vapors may be present? [NFPA 30]Note: 29 CFR 1926.152(f)(3) requires a distance of at least 50 feet between any source of ignition and flammable liquids.

#### **Storage and Use Quantities**

1. Is storage of flammable and combustible liquids limited to that required for current activities and maintenance? [NFPA 30]
2. Outside of approved cabinets or storage rooms, are containers of Class I liquids limited to a capacity of one gallon, or two gallons, if safety cans are used? [NFPA 30: 4-5.5.2]
3. Are fewer than 10 gallons of Class I and Class II liquids stored outside of an approved storage cabinet or interior storage room (except in safety cans)? [NFPA 30 4-5.5.3]
4. Are fewer than 25 gallons of flammable liquids stored in safety cans outside of an approved storage cabinet or interior storage room? [NFPA 30: 4-5.5.4 and 29 CFR 1926.152(b)(1)]
5. Are fewer than 60 gallons of Class IIIA liquids stored outside of an approved storage cabinet or interior storage room? [NFPA 30 4-5.5.5] Note: OSHA under 29 CFR 1926.152(b)(1) does not permit more than 25 gallons of combustible liquids stored outside of an approved storage cabinet or interior storage room.

#### **Design and Capacity of Containers**

1. Are only approved containers used for storing flammable or combustible liquids? [29 CFR 1910.106(d)(2)(i)]Note: All gasoline must be stored in approved containers.
2. Are flammable and combustible liquid containers stored in accordance with the requirements of Table 1? [29 CFR 1910.106(d)(2)(iii)]

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| --- | --- | --- | --- | --- | --- |
| **Container Type\*** | **Flammable Liquids** | | | **Combustible liquids** | |
|  | **Class IA** | **Class IB** | **Class IC** | **Class II** | **Class III** |
| Glass or approved plastic | 1 pt | 1 pt | 1 gal | 1 gal | 1 gal |
| Metal (other than DOT drums) | 1 gal | 5 gal | 5 gal | 5 gal | 5 gal |
| Safety cans | 2 gal | 5 gal | 5 gal | 5 gal | 5 gal |
| Metal drums (DOT specifications) | 60 gal | 60 gal | 60 gal | 60 gal | 60 gal |
| Approved portable tanks | 660 gal | 660 gal | 660 gal | 660 gal | 660 gal |

**Design, Construction, and Capacity of Storage Cabinets**

1. Is storage in cabinets restricted to not more than 60 gallons of Class I or Class II liquids and not more than 120 gallons of Class III liquids? [29 CFR 1910.106(d)(3)(i) and 29 CFR 1926.152(b)(3)]
2. Are all cabinets labeled in conspicuous lettering: “FLAMMABLE-KEEP FIRE AWAY”? [29 CFR 1910.106(d)(3)(ii) and 29 CFR 1926.152(b)(2)(iii)]
3. Are metal cabinets constructed so that the top, sides and door are at least #18-gauge sheet iron and double spaced wall with 1-1/2 inch air space? [29 CFR 1910.106(d)(3)(ii)(a)]
4. Is the door provided with a three-point lock and a sill raised at least 2 inches above the bottom of the cabinet? [29 CFR 1910.106(d)(3)(ii)(a)]
5. Are wooden cabinets constructed so that the bottom, sides and top are of approved grade plywood at least 1 inch thick? [29 CFR 1910.106(d)(3)(ii)(b) and 29 CFR 1926.152(b)(2)(I)]
6. Are all wooden cabinet joints rabbeted and fastened in two directions with flat head wood screws? [29 CFR 1910.106(d)(3)(ii)(b) and 29 CFR 1926.152(b)(2)(I)]
7. When more than one door is used on wooden cabinets, is there a rabbeted overlap of not less than 1 inch? [29 CFR 1910.106(d)(3)(ii)(b) and 29 CFR 1926.152(b)(2)(I)]
8. Are no more than three (3) cabinets located in one fire area? [NFPA 30]
9. Are cabinet vents sealed unless vented to the outdoors? [NFPA 30]