

Flammable Liquid Containers

Safety cans are needed for the storage and handling of flammable liquids.

Handling flammable liquids in ordinary containers often results in spills and leaks and the release of highly flammable vapors. These heavier than air vapors can travel considerable distances to an ignition source, flash, and cause serious fires.

The basic purpose of safety containers is to minimize the possibility of liquid leakage, contain flammable vapors, prevent flashback to the contents of the container, and provide a convenient means of carrying, dispensing and storing up to five gallons of flammable liquids.

Safety cans are designed

- Of substantial construction to avoid the danger of leakage.
- To resist damage and wear in normal usage.
- With tight fitting self-closing pouring spouts/caps to avoid spillage if tipped over.
- With flash arresting screens in outlet and fill connection to prevent flashback of fire to container contents.
- With automatic vents to relieve internal pressure and prevent rupture of the container in the event of fire.

Safe Containers must be properly marked to identify their contents and prevent accidental misuse.

1. Use the right container
 - Many types of Safety Containers are available for a wide variety of uses.
2. Wash tank
 - Approved tanks should be used when washing parts with naphtha, gasoline or other low flash point liquids. Lugs are provided to hold basket above liquid for draining parts after immersion. The top is equipped with fusible link to drop the cover automatically in case of fire. Available without basket for use as dip tank.
3. Rubber cement can
 - For transporting, storing, and dispensing materials of high viscosity, such as rubber cement. Minimizes evaporation, provides efficiency and cleanliness. Top fill opening is 5" diameter, has spring-hinged cap with trip catch for holding opening. Furnished with or without quick-opening non-dripping gate valve. Two sizes, 5 and 10 gallons.

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4. Bench can
 - To minimize waste and speed operations in cleaning small parts, also for swabbing. Spring-mounted perforated dasher is also a fire baffle. If ignited, liquid on dasher burns out; liquid in can is safe from ignition.
5. Touch-up can
 - Similar in purpose and principle of operation to Bench Can but smaller in size. For cleaning small or delicate parts, moistening brushes, etc. Hinged cover. Size 3" x 3" with 5 1/2" base.
6. Plunger can
 - For moistening cleaning cloths, waste, or swabs safely and economically. Press down on spring-mounted dasher with swab and measured amount of fluid is forced up stem and onto cloth. Perforated metal fire baffle in dasher prevents ignition of contents of can.
7. Spray gun container
 - Keeping spray guns in open cans of thinner is hazardous, as the thinner is continuously giving off flammable vapors. The lid on this spray gun container is built with a stop so it cannot stand open. Guns are positioned so the thinner covers the nozzle and paint hose connection, but not the needle valve packing.
8. Laboratory can
 - Sets on tilt frame. Pivots are slightly above center so can returns to vertical when released. Faucet and filler openings are self-closing by spring action and are equipped with double perforated metal fire baffle to prevent ignition of contents. Is available in monel or hot-dipped tin. Capacity 5 gallons.
9. Drip can
 - Drip can should be used to reduce fire hazard wherever a faucet may drip after shut-off or wherever a slow leak is likely to occur. The can has a perforated metal fire baffle welded into the opening to prevent any flash or spark from reaching and igniting the drippings which are caught by the can. A wide lip catches spray, splash, or sprinkle. The screen is easily removed for rapid emptying and cleaning.

For additional information, contact your local Great American Loss Prevention Department.

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