



Safety and Quality Assurance

The potential for disaster when handling flammable liquids demands serious solutions for protection. Just one gallon of vaporized gasoline can explode with the same force as twenty sticks of dynamite. Justrite set the standards for safety and backs them with the toughest approvals out there ... including FM Global and/or Underwriters Laboratories. An exclusive Ten-Year Warranty is your assurance of getting the best when you buy Justrite®.

Safety Cans serve several critical functions:

- Safely contain hazardous liquids and control vapors to reduce the risk of fire, protecting both personnel and facilities.
- Offer compliance with federal OSHA regulations and state and local fire codes.
- Improve efficiency with ease-of-use features which enhance pouring and filling operations.

Virtually every place of business has occasion to use flammable or combustible liquids. Gasoline, chemicals, solvents, and a variety of other hazardous liquids are found in varying amounts and locations. Whereas these liquids are relatively commonplace, it is important to understand the dangers they present and the special storage and handling procedures required to ensure safe usage. Reviewing the Material Safety Data Sheet (MSDS) helps determine liquid characteristics and recommended safety practices.

Accidents and fire risks can be minimized by using proper safety equipment. NFPA is specific on what is required of a safety can in order for it to perform as expected under fire conditions. The basic purpose of a safety can is the control of flammable vapors, while providing a convenient means of carrying, dispensing and storing up to five gallons (20L) of flammable liquid.

NFPA Code 30 3.3.44 and [OSHA 1910.106(a)(29)] define a safety can as: "A listed (approved) container of not more than 5.3 gal (20L) capacity having a spring-closing lid and spout cover and so designed that it will safely relieve internal pressure when subjected to fire exposure."

A safety can is designed to specifically eliminate one or more of the elements needed for a fire to start: heat, oxygen and fuel. These elements are the "legs" of a fire triangle. The fire triangle demonstrates the three basic elements that must be present simultaneously to support a fire.



Effective control of any one of these elements with a Justrite Safety Can eliminates the chance of fire.

Triangle Leg:	Is Controlled by:
Heat	Flame Arrester, Self-close Lid
Fuel	Self-close Lid, Leaktight Gasketed Lid
Oxygen	Leaktight Gasketed Lid

Heat can be produced from many ignition sources, including mechanical sparks, static electricity, frayed wiring, a lit match or cigarette, or a portable heater. Heat is effectively controlled with a dual-density flame arrester and a self-closing, leaktight lid.

The presence of oxygen is obvious in the air we breathe. Fuel can be a combustible or flammable liquid such as gasoline. These are controlled with a leaktight, gasketed lid to ensure outside heat sources and oxygen cannot get in (and the flammable vapors and fuel remain inside). In other words, when not being used, the lid on the can automatically closes. The spring-loaded, self-closing lid includes a gasket to help keep it airtight and leaktight. Each and every Justrite safety can is 100% tested under pressure to guarantee leakproof construction.

As an added measure of protection, safety cans offer positive pressure relief, meaning they automatically vent between 3 and 5 psig (0.2 and 0.35 bar). This is important to prevent rupture (or explosion) in the event of a fire. The flame arrester prevents fire "flashback" when the can is venting.

All Justrite safety cans undergo rigorous testing requirements by independent third party agencies and have received certification from FM Global (FM approved) and Underwriters Laboratories (UL and ULC listed). Justrite offers an exclusive Ten-Year Warranty on all safety cans. Let Justrite Safety Cans help you meet all your needs for flammable liquid dispensing and containment.