

Understanding Safety Cans

Safety and Quality Assurance

The potential for disaster when handling flammable liquids demands serious solutions for protection. Justrite set the standards for safety and backs them with the toughest approvals out there... including Factory Mutual Research 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 to enhance pouring and filling operations**

Virtually every place of business, and even homeowners, have 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 of flammable liquid.

NFPA Code 30 1.6.40 and OSHA 1910.106(a)(29) define a safety can as, "A listed (approved) container, of not more than 5-gal (18.9-L) 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/or 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 Justrite Safety Can eliminates the chance of fire.

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

Heat could be any ignition source which generates heat, such as mechanical sparks, static electricity, frayed wiring, a lit match or cigarette smoking, or a portable heater. Heat is effectively controlled with a dual-density flame arrester and self-close, leak-tight 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 leak-proof construction.

As an added measure of protection, safety cans offer positive pressure relief, meaning they automatically vent at between 3 and 5 psig. This is important to prevent rupture (or explosion) in the event of a fire.

All Justrite safety cans undergo rigorous testing requirements by independent third party agencies and have received certification from Factory Mutual (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.

Understanding Justrite Safety Cans

Justrite high performance, compliant Safety Cans safely contain hazardous liquids and improve efficiency while protecting personnel.

Full-fisted grip on swinging handle makes it easy to pour and carry heavy loads of 60 pounds or more.

Positive pressure relief cap automatically vents at between 3 and 5 psig to prevent rupture (or explosion) in event of fire.

Spring loaded, self-closing lid controls vapors and automatically closes after filling or pouring to guard against dangerous spills.

EXCLUSIVE TEN-YEAR WARRANTY

Rugged 24-gauge premium coated steel construction is chemically resistant to handle gasoline, diesel fuel, kerosene and a variety of other chemicals.

Durable, high gloss powder paint finish resists solvents, acids and alkalis and minimizes the effects of corrosion and humidity. In abusive environments, the special paint formulation with extra UV protectant resists fading. Hardness factor holds up to rough use for extended service life.

Special Reinforcing Ribbs – Unlike weak slab-sided cans, Justrite's manufacturing process adds a set of reinforcing ribs to strengthen the side walls for extra "bumper guard" protection in tough environments.

100% TESTED

Each and every container is tested under pressure to guarantee leakproof construction. Rigorous drop testing from three feet onto a concrete surface further tests the can's integrity and offers an additional measure of assurance the container meets Justrite's high performance standards.

Yellow banding carries trilingual warning in English/Spanish/French.

Double lock seams at base and top offer four thicknesses of steel for extra "bumper guard" protection against accidental bumps and bangs. Heavy steel spout is welded to dome for a high resistance to nicks or dents.



Complies with OSHA 29 CFR 1910.106 and NFPA Code 30 requirements

FM Approved, UL and ULC Listed

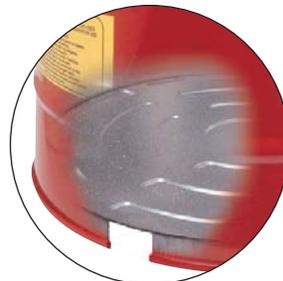
Accepted container under California Air Resources Board (CARB) Title 13 of the California Code of Regulations



Leaktight, airtight cap closure is fitted with a long life gasket that resists flammable, corrosive, volatile and viscous liquids.



Unique Counterbalance Design – Unlike trigger mechanisms which use finger muscles, Justrite's ergonomic design leverages the weight of liquid against opening mechanism for effortless pouring.



Half-inch raised bottom resists accidental punctures when placed on uneven surfaces and doubles as an easy hand-holding support when pouring. Unique echo patterned rib design offers additional strength and rigidity.



Internal dual-density flame arrester within the fill/pour spout dissipates heat to prevent flashback ignition and guards against the potential for fire and bomb-like explosion. Double mesh construction (a fine mesh screen joined with a coarse mesh screen) protects against fire yet keeps liquids flowing freely for convenient filling and pouring.



Justrite Safety Can Application Guide

Containers to meet your needs!

Choosing the right tool for the job is important. That's why Justrite offers a diversity of styles and sizes in safety cans and specialty containers. These products are designed to suit specific needs and perform day-in and day-out to enhance workflow and protect property and personnel. Discover the right one for your job.

All Justrite containers are designed to meet applicable codes and regulations, so you can be assured you're always in compliance. Most have been tested by Factory Mutual and/or Underwriters Laboratories, your additional assurance they will perform to design specifications.

Dispensing Containers

Application Need:

	Red Type I Safety Cans	Funnel/nose Attachments	Red Type II Safety Cans	Jerry Safety Cans	Blue Type I Safety Cans	Blue Type II Safety Cans	Yellow Type I Safety Cans	Yellow Type II Safety Cans	Green Type I Safety Cans	Green Type II Safety Cans	D.O.T. Cans	Nonmetallic Type I Safety Cans	Oval Nonmetallic Type I Safety Cans	Steel Safety Cans with Faucets	Nonmetallic Safety Cans with Faucets	Steel Safety Cans with Faucets	Nonmetallic Safety Cans with Pumps	Spectrum® Stainless Steel Cans	Polyethylene Dispensing Bottles	Polyethylene Bottle Jacket
Filling and pouring of flammables into larger openings	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Added pouring convenience on Type I Cans	✓																			
Smoother pouring of flammables into smaller openings	✓	✓			✓		✓		✓				✓	✓	✓	✓	✓	✓		
Space saving handling and storage of flammables				✓									✓							✓
Use with kerosene				✓	✓						✓									
Use with diesel fuel			✓			✓	✓				✓									
Use with oils								✓	✓											
Over-the-road transport and dispensing of flammables											✓									
Wider chemical compatibility range											✓	✓		✓		✓	✓	✓	✓	✓
Controlled transfer of flammables for Laboratories													✓	✓	✓	✓	✓	✓	✓	✓
Reagent grade solvents or highest purity liquids											✓	✓						✓	✓	
Controlled dispensing directly on small components																		✓	✓	
Protection of glass lab bottles																				✓

Collection Containers

Application Need:

	Centura™ Quick Disconnect Cans	Liquid Disposal Cans	Biohazard Waste Cans	Oil Waste Cans	Smoker's Cease-Fire® Receptacles	Steel Cease-Fire® Ash & Butt Receptacles	Cease-Fire® Waste Receptacles	Self-Closing Drum Covers	Drain Cans
Safe collection of HPLC waste and other process collection	✓								
Safe accumulation of waste liquids	✓	✓						✓	
Safe collection of biohazard waste			✓						
Safe collection of solvent soaked rags and wipes				✓					
Easy maintenance and safe collection of cigarette butts					✓	✓			
Safe collection of papers, solvent-free combustibles, and trash						✓	✓		
Use with open head drums and collection of combustible trash							✓		
Safe, easy collection of used solvent from parts washing equipment							✓		

