UNDERSTANDING SAFETY CABINETS

Why use safety cabinets?

What makes a safety cabinet *safe*?

How to choose the *right* safety cabinet

Reduce fire risks and safely organize, segregate, and store flammable fuels, solvents, chemicals, and other hazardous materials.

JUSTRITE®

Safety storage cabinets serve several critical functions:

- **Safely contain hazardous chemicals to reduce the risk of fire, protecting both personnel and facilities**
- **Identify, organize, and segregate dangerous liquids**
- **Offer compliance with federal OSHA regulations and the National Fire Protection Association**
- **Improve efficiency by allowing solvents to be stored near the points of use**
- **Improve security with keyed locking mechanism**

One of the leading causes of industrial fires is the improper storage and handling of flammable liquids. It is important to identify and inventory all chemicals in your work-place. Review the MSDS (Material Safety Data Sheet) for each chemical to determine characteristics and recommended storage practices. To avoid generating toxic gases and to prevent fires and explosions, it is important to segregate incompatible chemicals. Some local regulations require positive-pressure ventilation. When regulation requires venting, Justrite cabinets include vents with flame arresters for ducting outdoors.

If the chemical being stored is flammable or combustible, OSHA 1910.106 applies. Your state and local codes, in all probability, are based on either the National Fire Protection Association (NFPA 30, *Flammable and Combustible Liquids Code*), the International Code Council (*International Fire Code*) or NFPA 1, *Uniform Fire Code*™. Section 9.5 of the 2008 edition of NFPA covers the design, construction, and capacity of storage cabinets. In addition to passing a fire test, NFPA further requires specific cabinet construction. Whereas both metal and wood construction are acceptable, the most popular choice in industry is metal. A notable distinction in the *International Fire Code* and NFPA 1, *Uniform Fire Code*™ - is the requirement that flammable and combustible liquid storage cabinets shall be self-closing.

In addition to assuring that cabinets meet applicable codes, it's important to look for safety storage cabinets which carry independent third party certification, such as FM Global (FM approved) or Underwriters Laboratories (UL listed). While NFPA does not mandate requirements for the storage of nonflammable acids and corrosives, these chemicals should be properly stored for maximum safety.

A wide variety of code compliant cabinets are available in sizes ranging from 4 gallons (15L) to 120 gallons (454L). Smaller cabinets allow solvents to be stored at worksite locations saving costly trips to a central storage room. Undercounter, wall mount, slimline and piggyback style cabinets add to safe storage, even when space is at a premium. For high capacity storage, including storage of 55-gallon (200L) drums, larger sized cabinets designed specifically to house 30-gallon (110L) or 55-gallon (200L) drums are available. It's important to note that OSHA Code 29 CFR 1910.106 states that not more than 60 gallons (227L) of Class I and II liquids, nor more than 120 gallons (454L) of Class III liquids may be stored in a cabinet.

Justrite also offers an extensive color selection including yellow, red, blue, green, white, gray, silver, and light neutral. Compliant Justrite steel Safety Cabinets are specifically designed to meet OSHA regulations and meet the National Fire Protection Association's Code 30. Most Cabinets pass rigorous third party testing by FM Global and/or Underwriters Laboratories and are backed by our Ten-Year Warranty.

JUSTRITE®

FM APPROVED

FULLY COMPLIANT · MEETS · OSHA NFPA · FULLY TESTED

MEETS FIRE CODES
NFPA 1, UNIFORM FIRE CODE
INTERNATIONAL FIRE CODE

quality
Backed by our
10 Year
Limited Warranty

WHAT MAKES A SAFETY CABINET *Safe*?

New!
Haz-Alert™ Reflective labeling provides high visibility in the dark under fire conditions or power outage when illuminated by a flashlight beam. Patent Pending. Hazard warning in three languages.

Fusible links hold doors wide open and melts at 165°F (74°C) for automatic closure (on self-close models).

Minimal air-gaps provide better protection.

Sturdy, 18-gauge (1mm) double wall steel with 1½" (38mm) of insulating air space.

Easy close, self-latching doors.

Fully-welded (not riveted) construction holds square-ness for longer life, offering greater protection in a fire since air gaps are reduced.
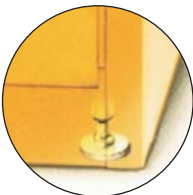
Continuous piano hinge provides smooth closure.

Built-in grounding connector (on outside side panel) for easy grounding.

Dual vents with built-in flame arresters strategically placed at bottom and opposite top are welded, not screwed in place.

Durable and chemical resistant, hybrid lead-free powder coat paint finish, inside-and-out, retains high gloss look and minimizes the effects of corrosion and humidity.

Adjustable leveling feet for stability on uneven surfaces.

Patented concealed self-close mechanism provides obstruction-free access to top shelf space. Self-indexing doors guarantee they will close in sequence and assure a tight closure from top to bottom (on self-close models).

Rounded safety corners on doors reduce accidental nicks or cuts and potential hand injury.

3-point lock

890400

New!
Stainless steel, three-point bullet self-latching system provides easy, fail-safe, positive door closure with increased heat resistance.

New!
Exclusive U•Loc™ Padlockable Handle. Optional padlock* allows for extra security and keycoding multiples for convenient access. Flush paddle handle with slip resistant grip offers easy fingertip operation and reduces dangerous "catches" from passing traffic. Double key set included for keyed lock. **Patent Pending**

* *Padlock sold separately*

894520, 45 gal., self-close

Welded shelf hangers interlock with shelf to offer maximum "no slip" stability… and no flimsy brackets to lose.

2" (51mm) liquid-tight containment sump with up to a 5-gal. (19L) capacity on 45-gal. (170L) models, holds leaks and meets EPA requirements.

New!
Exclusive SpillSlope™ safety shelves direct spills to back and bottom of leak proof sump. Heavy-gauge galvanized steel shelves are bi-directional and easily adjust on 3" (76mm) centers for versatile storage. Meet ANSI standards with a 350lb. (159kg.) safe allowable load. **Patent Pending**

New!
Haz-Alert™ Safety Band. Firefighter friendly reflective band at bottom alerts firefighters when crawling in smoke-filled areas. **Patent Pending**

Backed by our **10 Year** Limited Warranty
Quality

FULLY COMPLIANT
MEETS
OSHA NFPA
FULLY TESTED

FM APPROVED

Complies with OSHA 29 CFR 1910.106 and NFPA Code 30, section 9.5
Most are FM approved
Shelves meet ANSI MH28.1

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HOW TO CHOOSE THE *Right* SAFETY CABINET.

For those responsible for safety in the workplace, consider the following when making the selection that is just right for you:

1. **Compliance and regulatory requirements**
2. **Convenience and protection factors**
3. **Chemical characteristics and capacity issues**

1. Compliance and Regulatory Requirements

Agency approvals:
Third party testing is your assurance of performance.

FM APPROVED
FM Global

UL Listed
Underwriters Laboratories

ULC
Underwriters Laboratories of Canada

Code compliance:
Federal, state, and local regulations may apply. Contact your local Fire Marshal for guidance.

OSHA 29 CFR 1910.106 / NFPA Code 30 Section 9.5

FULLY COMPLIANT · MEETS OSHA NFPA · FULLY TESTED

2. Convenience and Protection Factors

Door style preference:
Whereas door style is usually chosen by preference, states and locales which follow either the *International Fire Code* or NFPA 1 *Uniform Fire Code*™ mandate the use of self-closing cabinets. Cabinets with self-closing and self-latching doors provide an extra measure of protection.
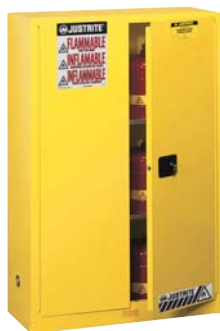
Manual
Economical manual-close doors permit doors to open a full 180°. When pushed closed they will automatically self-latch.

Bi-Fold
A single bi-fold, sliding door glides smoothly on a spring-loaded track for easy, one-handed access to cabinet contents. It self-latches and self-closes, and is equipped with a fusible link to hold door open during use and melts at 165°F (74°C) to automatically close door under fire conditions.

Self-Close
This style self-indexes, self-latches and self-closes to automatically shut doors upon release. Mechanism is concealed in the top wall, maximizing available shelf space. Fusible links hold doors open during use. In the event of a fire, fusible links will melt at 165°F (74°C) to automatically close doors.

All Justrite cabinet doors feature a continuous piano hinge for smooth operation, a three-point closure with keyed lock and our exclusive self-latching mechanism on all door styles. As an extra measure of safety, all doors feature rounded corners to reduce accidental nicks or cuts.

Door handle:
Sure-Grip® U-Loc™ Handle
Attractive, self-latching paddle style handle offers easy fingertip access to contents. Flush mounted design keeps aisles clear and reduces dangerous "catches" from passing traffic. Exclusive padlock tang offers added security. Padlock serves as a visual deterrent and provides the flexibility of the lock being master keyed, keyed alike or keyed different for convenience.

Reflective warning labels:
Haz-Alert™ System
When illuminated with a flashlight, hazardous warning labels burst with high visibility under fire conditions or power outages. Labels are strategically positioned in high and low zones to help firefighters easily locate volatile liquids.

Ease of use:
Justrite cabinets have self-latching doors on a continuous piano hinge and spill-catcher shelves which adjust easily to fit changing storage needs. Built-in, patented hidden self-close mechanism allows obstruction-free access to top shelf space … all for improved usability!

Longevity:
Quality construction finished in tough powder paint is backed by an industry-exclusive Ten-Year Limited Warranty.

Fire protection:
Welded construction, self-latching doors, third party tested, built to OSHA/NFPA standards … all ensure maximum protection under fire conditions.

A self-latching system...
A self-latching door and handle is critical as it does not require the user to manually rotate a handle to ensure the three-point latch is properly engaged. This is an important detail since an unlatched cabinet leaves the flammable contents exposed to a potential fire, where every single second of protection counts. A safety cabinet must be latched in order for it to perform according to code, providing maximum safety under fire conditions. A stainless steel bullet latching system offers optimum longevity with increased heat resistance.

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HOW TO CHOOSE THE *Right* SAFETY CABINET.

3. Chemical Characteristics and Capacity Issues

Size and type of container being stored:
Determine if you are storing safety cans, 30 (110L) and 55-gallon (200L) drums, smaller paint cans, 4-litre bottles, aerosols, dispenser cans or other similar containers.

Capacity needs:
Specialty cabinets are available for on-the-spot needs while larger cabinets offer expanded or large quantity storage.

Type of chemical to be stored:
Using color and labeling in your storage practices helps identify, organize and segregate liquids. It also helps fire department personnel recognize hazards when responding to fire situations. While regulatory codes do not mandate the specific color of safety cabinets, the industry has customarily observed the following:

- **Yellow** for flammable liquids
- **Red** for paints, inks, and other combustible liquids
- **Blue** for corrosive liquids
- **Green** for pesticides and insecticides
- **White or Gray** for waste materials or outdoor lockers
- **Silver or Light Neutral** to complement laboratory settings

Leading Cabinets
Most popular, widely used sizes.

Specialty Cabinets
Special size or use cabinets to fit specific needs.

Waste Storage
In popular sizes to segregate hazardous waste.

Drum Cabinets
Safe storage of 30- (110L) or 55-gallon (200L) drums.

Combustible Storage
Class III paints and inks with shelves for smaller containers.

Pesticide Storage
For turf chemicals in containers or drums.

Corrosive Storage
In polyethylene, steel, and wood.

Cabinets
Under fume hood and under counter use.

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