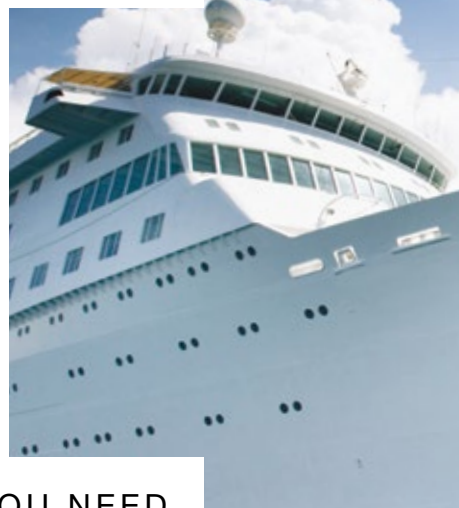


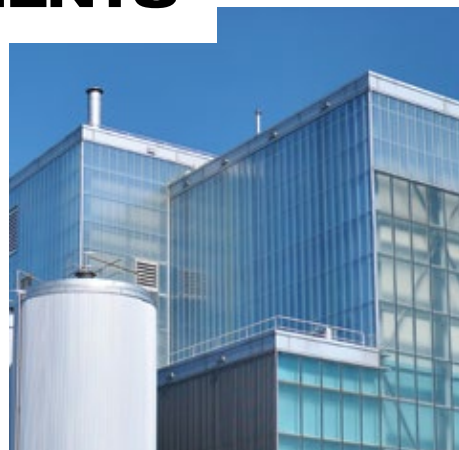
# EN SAFETY CABINETS



WHEN TIME IS NOT ON YOUR SIDE, YOU NEED  
**EXTREME FIRE RESISTANCE**



FIRE PROTECTION WHILE USING FLAMMABLES IN  
**HIGH-RISK ENVIRONMENTS**



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# NEW EN SAFETY CABINETS STORE FLAMMABLES UNDER FIRE CONDITIONS FOR UP TO A FULL 90 MINUTES

**In a fire, every minute counts. Increasing your evacuation time from high-risk environments can save lives and protect investments.**

Use EN safety cabinets for remote locations without quick access to fire-fighting emergency services, high-occupancy sites, and high-value/high-asset settings such as:

- Cruise ships and water transport vessels
- Offshore drilling sites
- High-rise commercial buildings
- Remote agricultural and production facilities
- Laboratories and research facilities
- Universities and hospital complexes
- High-asset manufacturing plants
- Sports arenas, theme parks, and malls

## Extreme Safety and Protection

- Fire-resistant design protects volatile contents for 30- to 90-minutes (depending on model), allows increased evacuation time and gives emergency responders additional critical minutes for controlling the fire before it reaches flammable contents, greatly reducing the spread and severity of the fire.



Contents remain intact after a 90-minute burn test.

- Innovative hybrid-style door(s) open/close manually, and automatically self-close under fire conditions.
- Ventilation system accepts an exhaust air pipe or recirculating air filter to control fumes.
- Unique removable sump with perforated insert funnels spills from shelves and ensures containers never sit in spilled liquid.
- Bright interior color provides greater visibility to contents—minimizes mistakes in container selection

## Security

- Independent locks on each door protects against unauthorized access.
- Red/green indicator (90-minute models) provides a quick visual to ensure door is locked.

## Convenience and Durability

- Door damper allows you to adjust the force needed to open the door(s) for most comfortable operation
- Adjustable shelves for versatile storage—designed to prevent containers from sliding off and breaking
- Textured powder coat finish—easy to clean, scratch- and impact-resistant
- Convenient transport base allows for repositioning (when empty)
- Robust construction with heavy-duty triple-hinged door(s)



Watch our 2-minute dramatic burn test video on YouTube.  
[youtube.com/user/JustriteMfg](https://youtube.com/user/JustriteMfg)



# EN SAFETY CABINETS

## 90-Minute Extreme Fire Resistance for High Risk Environments

### MEETS EUROPEAN STANDARDS

#### EN 14470-1

Fire safety storage cabinets—  
Part 1: Safety storage cabinets  
for flammable liquids

#### EN 14727

Laboratory furniture—  
Storage units for laboratories.  
Requirements and test methods

### MEETS U.S. STANDARDS

#### OSHA

CFR 1910.106(d)(3)—  
Design, construction, and  
capacity of storage cabinets

#### NFPA 30

9.5—Flammable Liquid  
Storage Cabinets

#### NFPA 1

66.9.5—Flammable Liquid  
Storage Cabinets



- 1** Hybrid style doors open or close manually and include a damper which adjusts the force needed to open the doors. If cabinet is left open, and in the event of a fire, the built-in fusible link system releases to allow automatic closure of doors at 122°F (50°C) for protection of contents.
- 2** Independent cylinder-locks on each door protect against unauthorized use and feature an integrated locking state indicator (red/green).
- 3** Mandatory air vents per EN 14470-1. Vent butterfly valve closes securely at 158°F (70°C) in the event of a fire. Vent system accepts an exhaust air pipe or recirculating air filter. Vents include flame arresters and caps for FM compliance.
- 4** Ground connection is possible if required by local authorities.
- 5** Robust, steel construction with heavy-duty, triple-hinged door(s). Easy-to-clean, attractive textured powder coat finish—scratch- and impact-resistant for long life.
- 6** Under fire conditions, intumescent strips expand and hermetically seal all gaps to reduce heat entering the cabinet.
- 7** Constructed using multiple layers of fire-resistant gypsum (calcium sulfate) and mineral fiber insulation to help achieve 90-minutes of fire resistance.
- 8** Powder-coat finish steel shelves adjust on 1-1/4-inch (32-mm) increments and have a load capacity of 165-lbs (75-kgs). Shelves with 1-inch (30-mm) high ledge prevent small containers from easily sliding off to avoid breakage or uncontrolled spillage.
- 9** Haz-Alert™ reflective tri-lingual warning labels on front of door are highly visible under fire conditions or during power outages when illuminated with a flashlight (not shown above).
- 10** Removable bottom cabinet sump with detachable perforated insert features 3-sided lip seal which funnels leaks or spills from contents on shelves into the sump. Containers placed on top of insert never sit in spilled liquid captured in sump below.
- 11** Integrated transport base makes it easy to reposition empty cabinets. Accepts optional, removable base cover.
- 12** Adjustable leveling feet for stability on uneven surfaces.
- 13** Bright interior color offers maximum visibility to stored goods.

## Global Code Compliance

Justrite's EN safety cabinets are independently fire tested and approved by FM Approvals, and tested and GS certified by MPA Dresden to ensure compliance with the most stringent safety regulations and quality standards for the storage of flammable liquids.

In addition to conforming to construction specifications and labeling requirements, the cabinets must pass rigorous test protocols. The cabinets conform to EN 14470-1, EN 14727, and also meet the requirements of the NFPA 30 and NFPA 1 codes, as well as OSHA. These codes set performance and construction requirements for cabinets designed to provide a safe, secure storage area for flammable and combustible liquids, and as a result, minimize the risk of fire.

### EN 14470-1 and GS Certification—High-Performance Standards

- Type tested (30- or 90-minutes) by heating cabinet in a furnace according to the time-temperature curve described in EN 1363-1:1999, measuring the temperature increase inside the cabinet, and classifying it according to the time for which the interior does not rise above a fixed level.
- Product cycle tested through 50,000 openings and closings of doors, without incident.



22603



22601 with 22634



22605 with 22636



22607

## EN Safety Cabinets

Fire Rating (Minutes)	Capacity Gallons/Liters (5 Gallon Can)	Maximum Capacity* (1 Liter Bottle)	Number of Doors and Style	Dimensions H x W x D		Adjustable Shelves	Approv/Lstg Regulation	Model No	Ship Wt lb/kg
				Exterior	Interior				
30	30/114	168	1 door, hybrid-close	76.65 x 34.02 x 24.41 in 1947 x 864 x 620 mm	64.02 x 29.5 x 20.44 in 1626 x 750 x 519 mm	3	FM,EN,N,O,A	22601	507/230
	45/170	264	2 door, hybrid-close	76.65 x 45.83 x 24.41 in 1947 x 1164 x 620 mm	64.02 x 41.34 x 20.44 in 1626 x 1050 x 519 mm			22603	622/282
90	30/114	168		76.89 x 35.16 x 24.21 in 1953 x 893 x 615 mm	64.85 x 29.5 x 20.55 in 1647 x 750 x 522 mm			22605	840/381
	45/170	264		76.89 x 46.97 x 24.21 in 1953 x 1193 x 615 mm	64.85 x 41.34 x 20.55 in 1647 x 1050 x 522 mm			22607	1016/461

\*Achieved through the use of additional shelves, maximum capacity is an estimate and may vary depending upon container size. Check with local authority for maximum allowable quantity restrictions.

### Extra Accessories

Description	Fits Cabinet Styles	Dimensions	Model No	Ship Wt lb/kg
Steel shelf, powder-coated	30 and 90 Minute - 30 gallon (114 L)	W x D: 29.21 x 17.3 in (742 x 435 mm)	22630	15/7
	30 and 90 Minute - 45 gallon (170 L)	W x D: 41.02 x 17.3 in (1042 x 435 mm)	22631	11/5
Polypropylene tray	30 and 90 Minute - 30 gallon (114 L)	H x W x D: 3.47 x 29.13 x 17.09 in (88 x 740 x 434 mm)	22632	6/3
Polyethylene tray	30 and 90 Minute - 45 gallon (170 L)	H x W x D: 1.97 x 40.95 x 16.93 in (50 x 1040 x 430 mm)	22633	
Base cover	30 Minute - 30 gallon (114 L)	H x W: 3.43 x 30.95 in (87 x 786 mm)	22634	5/2
	30 Minute - 45 gallon (170 L)	H x W: 3.43 x 42.76 in (87 x 1086 mm)	22635	7/3
	90 Minute - 30 gallon (114 L)	H x W: 3.35 x 32.21 in (85 x 818 mm)	22636	3/2
	90 Minute - 45 gallon (170 L)	H x W: 3.35 x 44.02 in (85 x 1118 mm)	22637	4/2
Cabinet mover - Set of 2	30 and 90 Minute - 30 & 45 gallon (114 & 170 L)	H x W x D: 3.54 x 5.51 x 23.62 in (90 x 140 x 600 mm)	22638	20/9

## MSC SOLAS-05

The SOLAS-05 procedure, published by the U.S. Coast Guard Marine Safety Center, provides guidance on how to safely store flammable liquids on U.S. and foreign flag commercial vessels subject to U.S. laws, regulations and international standards.

It is impractical and inefficient to store daily use quantities of flammables in a central paint locker, or category 14 area, in vessels such as cruise ships. As a result, many unsafe remote storage areas occur at different locations throughout the vessel, thereby increasing the risk of fire. These areas do not typically have the protections required for storing flammable liquids, including classified electrical fittings, ventilation and insulation. According to the guideline, in spaces where smaller amounts of flammables are necessary for matters of efficiency and practicality, it may be allowable to use an approved cabinet for the storage of small daily use quantities.

Justrite's EN Type 90 model cabinets, manufactured and approved to EN 14470-1, support the SOLAS-05 guideline and help solve the problem of safely storing flammable liquids at their point-of-use.