Safe flammable storage aboard cruise ships
In recent years ocean cruises are becoming increasingly popular. More and more vessels are being introduced and the sizes and passenger capacities are continuously on the rise.

On these floating cities greater quantities of flammable liquids and aerosols become necessary (spa areas and saunas, workshops etc.)

The central paint locker or category 14 areas are no longer sufficient and practical for daily used quantities and many unsafe local storage areas are springing up throughout the vessels.

Today the incorrect storage of flammable liquids is one of the Top 10 violations found during regular inspections on cruise ships.

The updated coast guard marine safety center guideline for the use of flammable liquid & gas storage cabinets describe how to safely store flammable liquids in areas other than category 14.

Today’s practices
- Storage of flammable liquids in category 11, 12 or 14 areas
- Safety storage cabinets meeting NFPA 30 or UL 1275
  Fire protection 10 minutes

The task
- Safe storage of flammable liquids in areas other than category 14

The solution
- Fire rated safety storage cabinets manufactured and approved to EN 14470-1, FM and NFPA 30 (tall cabinets)
- Fire protection 90 minutes (according to EN 14470-1)
- Fully compliant to the new MSC guideline

Updated coast guard marine safety center guideline for the use of flammable liquid & gas storage cabinets
SOLAS-05

Today’s practices
• Storage of flammable liquids in category 11, 12 or 14 areas
• Safety storage cabinets meeting NFPA 30 or UL 1275
  Fire protection 10 minutes

Excerpt from the new MSC guideline:
Spaces other than category 14 spaces do not typically have the protections (for example: classified electrical fittings, ventilation and insulation) required for storing flammable liquids. However, the practical utility of certain spaces may necessitate the storage of a small quantity of ready-use flammable liquid or gas. This would include materials used frequently during operation where it is impractical for crew to travel to a centralized category 14 store room each time the materials are needed.

In spaces where a limited supply of flammable liquids or gases is necessary for the practical utility of the space, it may be permissible to install an approved flammable liquid cabinet to stow small quantities of items for daily use.

Cabinets manufactured and approved to EN 14470-1, Type 60 or Type 90 are acceptable. Cabinets meeting NFPA 30 or UL 1275, only provide protection for 10 minutes and should only be used in category 11, 12 or 14 spaces.

Conclusion
Daily used quantities can now be stored outside cat 11, 12 or 14 in fire rated safety storage cabinets according to EN 14470-1 without violating safety protocols

Further information about the MSC guidelines for the use of flammable liquid & gas storage cabinets can be found on https://homeport.uscg.mil or contact us: info@asecos.com

Safety storage cabinet according to EN14470-1 with closed doors
(model: Q-CLASSIC-90)

Type-90 underbench cabinet, optimal for storing small quantities of flammable liquids

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Safety storage cabinet according to EN14470-1 with closed doors
(model: Q-CLASSIC-90)
The name asecos stands for ‘security’ and ‘ecology’ – for safety and environmental protection in the handling and storage of hazardous materials. Since its establishment in 1994 the company, which is based in Gründau (in the German state of Hessen), has dedicated itself to the development and production of innovative products in this field. Today asecos is Europe’s leading manufacturer of type-tested safety storage cabinets according to EN 14470-1 and is well known for its trend-setting developments in the field of the storage and handling of hazardous substances.

asecos always strives for the highest quality. That’s why all the safety storage cabinets are produced at our headquarters in Germany. At the Gründau site motivated people invent and manufacture excellent products, which are widely distributed and used throughout the world.

90 Minutes fire resistance
to safely evacuate the passengers from the area and commence fire-fighting proceedings before the fire gets out of control.

Different interior equipment options
make it possible to choose for each individual application on board the suitable safety storage cabinet.

Protecting seals
avoid the exposure of vapors and protect contents from ignition sources.

Advanced ventilation system
ensures complete, uniform ventilation of the cabinet interior.

Secure cylinder lock
prevents unauthorized use.

Modern design
fits perfectly into the surrounding area.

Fire rated safety storage cabinets manufactured and approved to EN 14470-1, FM* and NFPA 30*
Highest safety level – easy handling.

Proven safety you can rely on
The quality and safety of our products are recognized and certified by all leading institutes.

All fire resistant cabinets are type-tested according to EN-14470-1.

GS certification (EN 14470-1, EN 14727, document EK5/AK4 09-10, GPSG) 50,000 wear-free openings and closings. Test specifications:
All products with the GS mark correspond to the requirements of the regulations of the Equipment and Product Safety Act (§7 para. 1) regarding the safety and health of the workforce.

Furthermore the Q-LINE cabinets are approved and certified according to FM and meet the requirements of the NFPA Code 30, NFPA 1 Fire Code, OSHA.

Made in Germany

* Q-Line safety storage cabinets
Fire rated safety storage cabinets according to the new MSC guidelines for the use of flammable liquid & gas storage cabinets

Safe storage of flammable liquids in spaces other than category 14

**Specifications**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>UB90.060.059.T</th>
<th>UB90.060.110.2T</th>
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<tbody>
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<tr>
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**Compliance**

- EN 14470-1 (Type 90) / EN 14727
- ProdSG / CE
- NFPA Code 1 and 30 / OSHA
- EN 14470-1 (Type 90) / GS-Mark / FM