

# Highly Flammable Liquids in Motor Vehicle Repair: Storage of HFLs inside a building



## For further information:

UK Health and Safety Executive  
Website: [www.hse.gov.uk](http://www.hse.gov.uk)

Health and Safety Inspectorate  
Website: [www.gov.je/hsi](http://www.gov.je/hsi)  
E mail: [hsi@gov.je](mailto:hsi@gov.je)  
Tel: +44 (0) 1534 447300

Health and Safety Inspectorate  
Social Security Department  
PO Box 55  
La Motte Street  
St. Helier  
JE4 8PE

## Applicable health and safety legislation

- Health and Safety at Work (Jersey) Law, 1989
- Highly Flammable Liquids (Jersey) Regulations, 1979
- Electricity at Work (Jersey) Regulations, 1983

## Storage inside a building

**Storage:** up to 5 litres may be kept in original container.

Between 5 litres and 50 litres may be stored in a half hour fire resistant cupboard or bin.

Over 50 litres must be kept in a dedicated HFL store.

## Construction of HFL store

**Walls:** minimum 1 hour fire resistant standard.

**Floor:** minimum 1 hour fire resistant standard (floor immediately above ground exempt).

**Ceiling:** minimum 1 hour fire resistant standard (single storey or roof exempt).

**Door:** minimum 1 hour fire resistant self-closing standard, to open outwards.

**Sill:** low sill at threshold of door, height sufficient to contain 110% volume of the largest container stored.

## Ventilation of HFL store

**Ventilation:** high and low level cross ventilation to be provided direct to open air.

## Heating of HFL store

**Heating:** to be indirect, i.e. ducted warm air, hot water or low pressure steam radiators.

## Electrical installation within HFL Store

**Electrical fittings:** it is advisable to exclude electrical equipment from highly flammable liquid stores.

Use only explosion protected electrical equipment inside the HFL store.

The selection of appropriate equipment is determined by the hazardous area classification, defined as zones, of the HFL store. This is the method used to identify areas where flammable vapours are likely to be present.

In normal circumstances a HFL store will be classified as zone 2.

Advice on suitable electrical equipment which can be used in the HFL store should be obtained from a competent electrical contractor.

## Mixing of HFL

**Mixing:** no mixing of HFLs is permitted within the store

## Display of Notices

**Notices:** 'Highly Flammable Liquid' and 'No Smoking' signs to be placed on the door of the store.

The guidance given in this information sheet should not be taken as authoritative or comprehensive and does not take the place of the actual Law and Regulations.