


HAZARD / WORK ACTIVITY ASSESSED	Storage and use of Highly Flammable Liquids
------------------------------------	---

Hazard (something with the potential to cause harm)	Risk rating prior to control			Who may be harmed					Control Measures	Risk rating after control		
	Severity	Probability	Risk	Operator	Employee	Visitor	Public	Sub-cont		Severity	Probability	Risk
Fire	4	2	8	x	x		x		Levels of highly flammable liquid stored i.e. petrol, must be kept to a minimum (5 Litres), and must be stored away from combustible material as far as possible. Storage containers must be checked regularly to ensure they are sound. If in doubt get a new one.	4	1	4
Explosion	4	2	8	x	x		x		Lids of containers must be secured. Containers must be kept away from possible means of ignition. Flash point is from –32 degrees C.SEE COSHH ASSESSMENT.	4	1	4
Spillage	3	3	9	x	x		x		Make sure containers are kept in good condition and inspected regularly and replaced if damaged. Always use a funnel when refilling plant and always clean up any spills immediately with any required cleaning agents	3	1	3

SAFETY METHOD STATEMENT

1. Prior to starting work, with HFL, quantities should be estimated to ensure that only minimum quantities are ordered.
2. A suitable Fire-resistant store must be provided for HFL
3. The store must be signed accordingly
4. Fire extinguishers must be made available
5. HFL to be kept in suitable containers. For petrol, this will be a marked plastic container of 5 litres maximum capacity.
6. Containers used to store HFL will be marked accordingly to show HFL is present and that it has a flashpoint of less than 32 degrees Celsius.
7. Lids of containers must be secure.
8. Where HFL vapour is foreseeable, must ensure that there are no means of ignition present.
9. Areas where HFL is stored or used must be kept clear of combustible material as far as practical.
10. Spillages must be mopped up immediately and material removed to a safe place.
11. HFL must not be used for purposes that are unauthorised.
12. Operatives to ensure that storage facilities are adequate and are maintained to the specified standards.

	Date of first issue:	February 2005	Authorised & published by:	Sharon Kaye
	Content collaborators:	Senior engineering team & MD		
	Last review date	2017-06-14		
	Revision period (months)	12		

Severity	Probability	Risk Rating		
1 No Injury, property damage	1 Very Unlikely	Severity X Probability = 1 to 5	Low	Y – acceptable risk, work can start
2 Minor Injury	2 Unlikely			
3 +3 Day Absence	3 Likely	Severity X Probability = 6 to 14	Med	Y or N – may need further consideration
4 Major Injury	4 Very Likely			
5 Death	5 Virtually Certain	Severity X Probability = 15 to 25	High	N – Unacceptable risk Do not start work