

Toolbox Talk



Hazards of Petroleum

What?

- Petrol is a highly flammable liquid, which gives off flammable vapour at ambient temperatures.
- It ignites easily and should be clearly marked with warning labels.
- Petrol vapour is potentially explosive
- Petrol vapour is heavier than air, and can travel long distances and collect in confined spaces
- Will cause lung damage if liquid enters the lungs
- Spillage is harmful to the environment



How?

- Dispense petrol in well ventilated areas
- Only store or transport fuels in metal or plastic containers specifically designed for this use
- Keep away from sources of ignition



Do

- ✓ Only transport in suitably marked containers designed to hold flammable liquids
- ✓ Avoid contact with skin
- ✓ Replace lids as the liquid evaporates at room temperature
- ✓ Ensure adequate ventilation
- ✓ Keep clear of ignition sources e.g. motors, switches, naked flames etc
- ✓ Keep eyes on task, mind on task
- ✓ Clean up any spillages immediately

Don't

- ✗ Smoke around flammable liquids
- ✗ Leave in direct sunlight
- ✗ Leave open containers
- ✗ Undertake hot work near flammable liquids
- ✗ Use petrol for starting barbecues or lighting bonfires
- ✗ Siphon or suck up petrol by mouth



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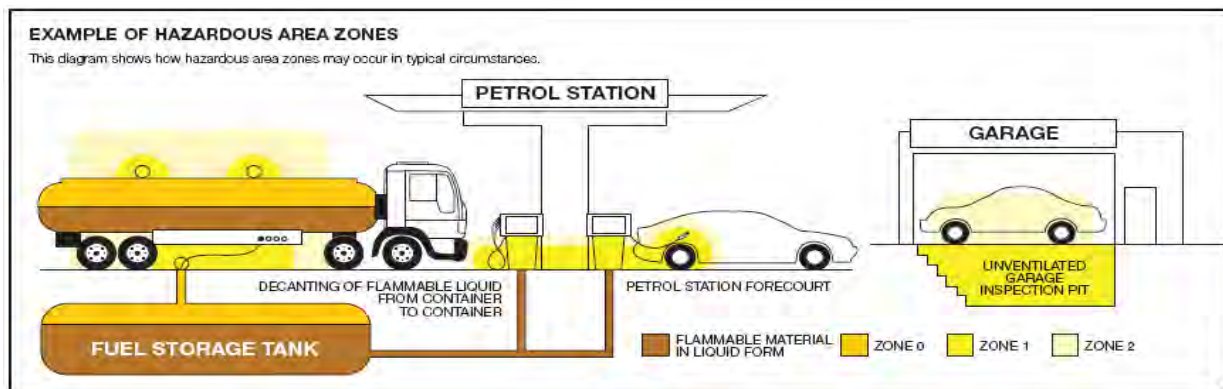
Hazardous Zones

Why?

- Wherever there is a risk of gas/air or dust/air mixtures or other flammable combinations giving rise to a risk of explosion, the law and specific regulations necessitate the elimination of sources of ignition
- Areas must be assessed for the level of risk and equipment used in each area certified by an authorised body as suitable for that area.



What?



- Petrol is a highly flammable liquid and gives off flammable vapour even at very low temperatures. When this vapour is mixed with air in proportions between 1% and 8% a risk of fire or explosion exists. Petrol vapour is heavier than air and does not disperse easily in still conditions. It tends to sink to the lowest possible level of its surroundings and may accumulate in tanks, cavities, drains, pits or other depressions

Do

- ✓ Clean up spills immediately
- ✓ Ensure nozzles and caps are in good condition
- ✓ Identify hazardous areas with signs etc
- ✓ Only use certified and approved equipment

Don't

- ✗ Have any source of ignition in hazardous zone areas
- ✗ Ignore leaks
- ✗ Do hot works within 2 hours of a tanker delivery



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Hazardous Substances

Why?

- Sometimes substances used in the workplace can be harmful to your health
- Being unaware of the dangers or hazardous substances can result on environmental damage
- We have a responsibility to protect and preserve ourselves and other peoples well being, and protect the environment



How?

- Keep hazardous substances locked up and clearly marked
- Make sure 'Material Data Sheets' are readily available
- Only allow authorised persons to have access to hazardous substances

Do

- ✓ Wear suitable PPE
- ✓ Read the manufacturers instructions
- ✓ Use in adequately ventilated area
- ✓ Use respirator if necessary
- ✓ Make sure lids, bungs or caps are replaced to prevent spills or vapours escaping
- ✓ Wash hands after use
- ✓ Keep in correct storage area
- ✓ Report any spillage immediately
- ✓ Read safety data sheets



Don't

- ✗ Forget to use appropriate PPE
- ✗ Sniff containers
- ✗ Put harmful products in unmarked containers
- ✗ Mix substances together unless it is safe to do so
- ✗ Never put harmful substances down drains, sinks, etc
- ✗ Drink, inhale.
- ✗ Burn old containers

