



Safe Practice for Transportation, Storage and Handling of Motorsport Fuel

Purpose: This is a summary of the requirements from the Code of Practice for Motorsport Fuel that highlights the responsibilities of the Competitors and Event Organisers in respect of the transportation of fuel to and from Events, the storage of fuel whilst at Events and the handling of fuel when fueling and defueling vehicles. Adoption of the following requirements will ensure safe working practices and the 'Sports' legal obligations are maintained at all times.

A complete copy of the Code may be referenced on the MSNZ website by following this link;
<http://www.motorsport.org.nz/Reqs/manual.htm#CodeofPracticeFuel>

The three key points of the Code are;

- Safely locate / secure your fuel during transportation and safely store it when at events.
- Never use an open type funnel when dispensing fuel and/or refueling your vehicle.
- Always keep a fire extinguisher close by.

TRANSPORTATION OF FUEL - this summary focuses on three types of competitor;

1) Those that may carry less than 250L for personal use - this will cover the majority of ClubSport / National Event Competitors;

- Fuel must only be transported in approved containers.
Containers up to 25L will be marked; AS/NZS 2906:2001, ASTM F-852-99e1, or LAB registration No. Containers 25L and over will be marked with the UN packaging symbol.
- Containers must be clearly labeled / marked identifying the fuel and potential hazards e.g. 'petrol – highly flammable'.
- The fuel containers must be kept together and properly secured on the vehicle and clearly separated from other dangerous goods (e.g. batteries) being carried.



2) Those that may carry more than 250L for personal use

- The requirements in 1) above shall be followed, and
- You will need to have a DG endorsement on your driver's license or an Approved Handlers Test Certificate, and
- You need to carry a copy of the Emergency Response Information and a copy of the Material Safety Data Sheet (for the fuel you are transporting). Copies are available on the MSNZ website.

3) Those that may carry less than 250L for commercial use – i.e. you hire out your competition vehicle or operate as a Race Team;

- The requirements in 1) above shall be followed, and
- You need to have a copy of the Material Safety Data Sheet (for the fuel you are transporting) at hand. Copies are available on the MSNZ website.

STORAGE OF FUEL - in your pit/paddock garage or rally service area;

- Fuel must be stored at all times in an approved container (AS/NZS 2906:2001, ASTM F-852-99el, LAB No. or UN symbol). This basically means any container specifically made for storing / transporting fuel.
- Fuel containers should be kept together, ideally away from your main working area and clearly separated from other dangerous goods such as batteries etc
- If you have more than 100L of fuel you should have an Approved Handlers Test Certificate. <http://www.ermanz.govt.nz/hs/compliance/ahtc.html>
- Specifically prohibited is smoking, welding and/or grinding, use of any electrical tools and BBQs in your pit garage / service area when fuel is being stored there.

HANDLING OF FUEL - meaning the fueling and defueling of your competition vehicle;

- When refueling, you should use a container with an integral spout (most common), a mechanical hand pump with hose that directly enters the vehicle fuel tank or a dry-break coupling system with venting. The use of 'open containers / funnels' is not authorised.
- When defueling, you should ideally use a mechanical hand pump. If an electrical pump is used it shall have a spark proof switch and semi-permanent electrical connectors (i.e. no alligator clips).
- When refueling or defueling you should always have someone standing by with a fire extinguisher.

Specific Requirements for Sprint Race Events:

- You should store less than 40L per car in the pit garage (and keep it separate if more than one car in a garage)
- You should remove all fuel from the pit garage overnight
- You should have a 4.5kg dry powder fire extinguisher for each car in the pit garage.
- During races your Crew should take the fire extinguisher out to pit lane.
- When refueling or defueling, no other work should be performed on the vehicle.

Specific Requirements for Endurance Race Events:

- You should store less than 209L per car in your pit garage
- You should remove all fuel from your pit garage overnight
- You should have two 9kg dry powder fire extinguishers in your pit garage (and one should be taken to pit lane when the vehicle is competing)
- You should wear fireproof overalls/gloves/balaclava when refueling
- You can service your vehicle during refueling (i.e. change wheels, clean windscreen)

Specific Requirements for Rally Events:

- In your designated service area you should only have sufficient fuel to fill your vehicle during each service period.
- All additional fuel should be kept in your service vehicle or a fuel storage area (if provided by Organiser).
- You should have a 4.5kg fire extinguisher handy at all times during refueling.