



# Z Energy Ltd

## Technical Data Sheet

### Z Swap'N'Go LPG

#### Description

Z Energy Swap'N'Go LPG is a hydrocarbon fuel comprised mainly of propane and butane, typically as a 60:40 mixture.

The gas is liquefied under moderate pressure and expands to approximately 260 times its liquid volume when it is allowed to revert to a vapour. This characteristic enables LPG to be stored as a compact liquid but burnt as a dry gaseous vapour.

Swap'N'Go LPG conforms to the requirements of NZS5435 Liquefied Petroleum Gas General Product.

#### Health & Safety

LPG as a fuel has properties that are inherently different to other liquid fuels and as such has its own unique set of safe handling issues. It is quite safe provided disciplined and safe handling procedures are adopted at all times. LPG is heavier than air and can accumulate in low lying areas. LPG has cryogenic properties which can cause cold burns if not handled correctly.

For further guidance on product Health and Safety refer to the appropriate Z Energy Safety Data Sheet.

#### Typical Physical Characteristics

Description	Units	Methods	Typical
Colour	-	-	Clear (Colourless)
Density	kg/L	ASTM D1657	0.537
Vapour Pressure (gauge) at 37.8°C	kPa	ASTM D1267	1430 max
Residual matter	% vol	ASTM D2158	0.05 max.
Corrosion, Copper Strip	-	ASTM D1838	Class 1
Sulphur (after odourising)	mg/kg	ASTM D2784	140 max
Moisture Content (dryness)	-	ASTM D2713	Pass
Free Water	-	Visual Inspection	None
Odorant	ml/l		1/60

These characteristics are typical of current production. While future production will conform to Z Energy and legislated specifications, variations in these characteristics may occur