

Comparison of properties of liquid fuels

Properties	LNG	LPG	Petrol	Fuel Oil
Toxic	No	No	Yes	Yes
Carcinogenic	No	No	Yes	Yes
Flammable Vapour	Yes	Yes	Yes	Yes
Forms vapour clouds	Yes	Yes	Yes	No
Asphyxiant	Yes, but in a vapour cloud	Same as LNG	Yes	Yes
Extreme cold temperature	Yes	Yes, if refrigerated	No	No
Other health hazards	None	None	Eye irritant, narcosis, nausea, others	Same as petrol
Flash point °Celsius	-188	-144	10	60
Boiling point °Celsius	-161	-42	32	214
Flammability range in air, %	5 to 15	2.1 to 9.5	1.3 to 6	N/A
Stored pressure	Atmospheric	Pressurised (atmospheric if refrigerated)	Atmospheric	Atmospheric
Behaviour if spilled	Evaporates as visible clouds, parts of which could be flammable or explosive (if contained) under certain conditions	Evaporates, as vapour clouds which could be flammable or explosive under certain conditions.	Evaporates, forms flammable pool; environmental clean up required.	Same as petrol

Source: [PNG LNG](#)