

## ***Appendix 11.3.5***

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### ***Hazard Distances for Representative Cases***

### Appendix 11.3.5 Hazard Distances for Representative Cases

Release Scenario	Probability of fatality (%)	DGVFP	
		weather:C4 (daytime)	weather:E3 (night-time)
<b>LPG Road Tanker Rupture (9-ton)</b>		Hazard distance from release source (m)	
Fireball	100	58	58
Thermal radiation	90	58	58
Thermal radiation	50	65	65
Thermal radiation	3	84	84
Flash fire (0.85 LFL)	100	360	310
<b>LPG Road Tanker BLEVE (9-ton)</b>		Hazard distance from release source (m)	
Fireball	100	62	62
Thermal radiation	90	106	106
Thermal radiation	50	120	120
Thermal radiation	3	170	170
<b>Petrol Road Tanker Rupture (9-ton)</b>		Hazard distance from release source (m)	
Fireball (vapour fraction 0.1)	100	42	42
Flash fire (0.85 LFL)	100	61	62
Pool fire		Downwind distance (m)	
Thermal radiation	90	59	59
Thermal radiation	50	59	59
Thermal radiation	3	61	61
<b>Chlorine Cylinder Rupture (50-kg)</b>		Downwind distance (m)	
Toxic cloud	90	125	100
Toxic cloud	50	180	130
Toxic cloud	3	240	170