

1. Fictitious Industrial Plant , Hungary

Plant Unit	Hazard Parameters	Fragility Curve	Damage State	Damage Estimate	Fire/Explosion Event	Released Quantity	Hole Diameter	Release Duration	Pool Diameter	Release State	LOC State	Rupture type	Endpoint Radiation Intensity	Endpoint Overpressure	RMP Toxic Endpoint ppm	Natech Probability	Endpoint Distance
Storage Tank (ST1) Diesel Fuel No.2 Qstored: 1061534 kg	hwater: 3 m	FFC_ST1	DS0	0.6604	Pool Fire	-	-	-	-	Liquid	-	-	5000 W/m2	-	-	-	Insufficient data
			DS1	0.2018	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS2	0.1726	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS3	0.2018	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
Storage Tank (ST2) Gasoline Qstored: 863225 kg	hwater: 3 m	FFC_ST2_ST3	DS0	0.1258	Pool Fire	-	-	-	-	Liquid	-	-	5000 W/m2	-	-	-	Insufficient data
			DS1	0.7124	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS2	0.5626	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS3	0.7124	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
Storage Tank (ST3) Gasoline Qstored: 863225 kg	hwater: 3 m	FFC_ST2_ST3	DS0	0.1258	Pool Fire	-	-	-	-	Liquid	-	-	5000 W/m2	-	-	-	Insufficient data
			DS1	0.7124	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS2	0.5626	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS3	0.7124	Pool Fire	1101.5 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
Storage Tank (ST4) Diesel Fuel No.2 Qstored: 640382 kg	hwater: 3 m	FFC_ST4	DS0	0.6309	Pool Fire	-	-	-	-	Liquid	-	-	5000 W/m2	-	-	-	Insufficient data
			DS1	0.2432	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS2	0.1663	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data
			DS3	0.2432	Pool Fire	1354.6 kg	25 mm	10 min	13.767 m	Liquid	Moderate	Vessel hole/leak	5000 W/m2	-	-	-	Insufficient data