Consequence Summary Report

Workspace: Linha para a Fábrica_10D

Study: Cenário 12 - Linha Fábrica

Summary Basis

These tables will only report global values set in the parameters. Values that are modified in the study tree will not be reported.
The report is context sensitive, and filters up to the study level. You will need to generate multiple summary reports if you have multiple studies in your workspace.
The results in this report are from the non-CFD calculations only.

Discharge Results (after atmospheric expansion)

Path	Scenario	Weather	Peak Flowrate [kg/s]	Temperature [degC]	Liquid mass fraction in material [fraction]	Droplet diameter [um]	Expanded diameter [m]	Velocity [m/s]	End time of release [s]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Horizontal	Category 3,5/D	0,0739374	17,397	1	3993,7	0,00393495	7,67077	3600
	Leak - 10% Rot - Vertical	Category 3,5/D	0,0739374	17,397	1	3993,7	0,00393495	7,67077	3600

Dispersion Results

Input dispersion parameters

Core averaging time	18,75	s
Flammable averaging time	18,75	s
Toxic averaging time	600	s
Height of interest	0	m

Distance downwind to flammable concentrations

Path	Scenario	Weather	Distance to UFL [m]	Distance to LFL [m]	Distance to LFL fraction [m]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Vertical	Category 3,5/D	Not reached at height of interest	Not reached at height of interest	Not reached at height of interest

Jet Fire Results

Distance downwind to defined radiation levels

The reported radiations are defined in the parameters

Path	Scenario	Weather	Flame length [m]	Distance downwind to intensity level 1 (5 kW/m2) [m]	Distance downwind to intensity level 2 (7 kW/m2) [m]	Distance downwind to intensity level 3 (12,5 kW/m2) [m]	Distance downwind to intensity level 4 (37,5 kW/m2) [m]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Vertical	Category 3,5/D	1,24961	1,71462	1,59002	1,38974	Not reached at height of interest

Early Pool Fire Results

Distance downwind to defined radiation levels

The reported radiations are defined in the parameters

Path	Scenario	Weather	Pool diameter [m]	Distance downwind to intensity level 1 (5 kW/m2) [m]	Distance downwind to intensity level 2 (7 kW/m2) [m]	Distance downwind to intensity level 3 (12,5 kW/m2) [m]	Distance downwind to intensity level 4 (37,5 kW/m2) [m]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Horizontal	Category 3,5/D	1,97781	4,84024	4,33404	3,07127	Not reached at height of interest
	Leak - 10% Rot - Vertical	Category 3,5/D	1,96222	7,92622	7,42414	6,16375	Not reached at height of interest

Late Pool Fire Results

Distance downwind to defined radiation levels

The reported radiations are defined in the parameters

Path	Scenario	Weather	Pool diameter [m]	Distance downwind to intensity level 1 (5 kW/m2) [m]	Distance downwind to intensity level 2 (7 kW/m2) [m]	Distance downwind to intensity level 3 (12,5 kW/m2) [m]	Distance downwind to intensity level 4 (37,5 kW/m2) [m]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Horizontal	Category 3,5/D	4,42352	9,96922	8,8199	7,09091	2,69276
	Leak - 10% Rot - Vertical	Category 3,5/D	4,40063	13,043	11,8996	10,1773	5,79936

Flash Fire Results

Distance downwind to defined concentrations

The reported LFL and LFL fraction are defined in the respective material property

Path	Scenario	Weather	Distance downwind to LFL [m]	Distance downwind to LFL Fraction [m]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Horizontal	Category 3,5/D	0	0
	Leak - 10% Rot - Vertical	Category 3,5/D		

Maximum distance to LFL fraction at any height

Path	Scenario	Weather	Max flash fire distance [m]	Height of the max flash fire distance [m]	Time [s]
Cenário 12 - Linha Fábrica\Atmospheric storage tank	Leak - 10% Rot - Horizontal	Category 3,5/D			
	Leak - 10% Rot - Vertical	Category 3,5/D	2,23804	0,670227	3549,39