

# DISCHARGE SUMMARY

Study Folder: TOP EVENT 10-14

Unique Audit Number:

157



PHAST v6.00



## TOP EVENT 10-14



### Methanol spill out

#### Disk rupture opening

##### Base Case

###### Data

 **Weather:** Category 2/F

**Speed:** 2,00 m/s **Stability:** F

TOP EVENT 10-14\Methanol spill out\Disk rupture opening

##### User-Defined Quantities

Material	METHANOL
Temperature	120,00 C
Pressure	1,50 bar
Inventory	8.000,00 kg
Scenario	Disc Rupture

##### Calculated Quantities

Mass Flow of Air (Vent from Vapor Space only) n/a kg/s

##### Average Values for Segment Number 1

Liquid Fraction	0,00 fraction
Final Temperature	106,94 C
Final Velocity	193,56 m/s
Droplet Diameter	0.00000E+000 mm

##### Continuous Release Data:

Mass Flowrate	0,89 kg/s
Release Duration	3.600,00 s
Orifice Velocity	193,56 m/s
Exit Pressure	1,01 bar
Exit Temperature	106,94 C
Discharge Coefficient	0,69
Expanded Radius	0,04 m

 **Weather:** Category 5/D

**Speed:** 5,00 m/s **Stability:** D

TOP EVENT 10-14\Methanol spill out\Disk rupture opening

##### User-Defined Quantities

Material	METHANOL
Temperature	120,00 C
Pressure	1,50 bar
Inventory	8.000,00 kg
Scenario	Disc Rupture

##### Calculated Quantities

Mass Flow of Air (Vent from Vapor Space only) n/a kg/s

##### Average Values for Segment Number 1

# DISCHARGE SUMMARY

Study Folder: TOP EVENT 10-14

Unique Audit Number:

157



PHAST v6.00

---

Liquid Fraction	0,00 fraction
FinalTemperature	106,94 C
Final Velocity	193,56 m/s
Droplet Diameter	0.00000E+000 mm
Continuous Release Data:	
Mass Flowrate	0,89 kg/s
Release Duration	3.600,00 s
Orifice Velocity	193,56 m/s
Exit Pressure	1,01 bar
Exit Temperature	106,94 C
Discharge Coefficient	0,69
Expanded Radius	0,04 m