

POOL VAPORIZATION REPORT

Unique Audit Number:

534



Study Folder: TOP EVENT 23

PHAST v6.00



TOP EVENT 23



Propane spill out

LPG tanks

Base Case

Data



Weather:

Category 2/F

Speed:

2,00 m/s

Stability:

F

TOP EVENT 23\Propane spill out\LPG tanks

User-Defined Quantities

| | |
|--------------------------|------------|
| Material | PROPANE |
| Type of Spill | Continuous |
| Surface Type | Concrete |
| Bund Diameter | m |
| Ambient Temperature | 9,85 C |
| Bund Surface Temperature | 9,85 C |
| Ambient Wind Speed | 2,00 m/s |
| Solar Flux | 0,50 kW/m2 |

Calculated Quantities

| | |
|---------------------|----------------------|
| Status of Bund: | The Bund was not hit |
| Maximum Pool Radius | 5,33 m |

Averages for Release Segment: 1

| | |
|--------------------------|---------------|
| Number of Cloud Segments | 1 |
| Rainout Fraction | 0,61 fraction |
| Spill Rate | 97,58 kg/s |
| Spill Duration | 5,83 s |
| Spill Mass | kg |
| Spill Temperature | C |
| Mass Remaining | kg |

Cloud Segments for this Release Segment

| Cloud Segment | Rate | Duration | Temperature | Total Mass | Radius |
|---------------|------|----------|-------------|------------|--------|
| | kg/s | s | C | kg | m |
| 1 | 0,51 | 985,91 | -54,47 | 502,54 | 2,96 |

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Study Folder: TOP EVENT 23

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Weather:

Category 5/D

Speed:

5,00 m/s

Stability:

D

TOP EVENT 23\Propane spill out\LPG tanks

User-Defined Quantities

| | |
|--------------------------|------------|
| Material | PROPANE |
| Type of Spill | Continuous |
| Surface Type | Concrete |
| Bund Diameter | m |
| Ambient Temperature | 9,85 C |
| Bund Surface Temperature | 9,85 C |
| Ambient Wind Speed | 5,00 m/s |
| Solar Flux | 0,50 kW/m2 |

Calculated Quantities

| | |
|---------------------|----------------------|
| Status of Bund: | The Bund was not hit |
| Maximum Pool Radius | 5,31 m |

Averages for Release Segment: 1

| | |
|--------------------------|---------------|
| Number of Cloud Segments | 1 |
| Rainout Fraction | 0,61 fraction |
| Spill Rate | 97,58 kg/s |
| Spill Duration | 5,83 s |
| Spill Mass | kg |
| Spill Temperature | C |
| Mass Remaining | kg |

Cloud Segments for this Release Segment

| Cloud Segment | Rate | Duration | Temperature | Total Mass | Radius |
|---------------|------|----------|-------------|------------|--------|
| | kg/s | s | C | kg | m |
| 1 | 0,57 | 905,96 | -57,06 | 518,68 | 2,79 |