

**Modélisation de la dispersion atmosphérique des toxiques
en cas d'incendie de trois cellules de stockage de produits combustibles**

Condition A, vent 2 m/s

Condition D, vent 5 m/s

Condition F, vent 3 m/s

Suies	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1012 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1014 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1015 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%</p>
	<p>SOURCE STRENGTH: Direct Source: 22,23 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 1333,8 kilograms/min Total Amount Released: 80028 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>	<p>SOURCE STRENGTH: Direct Source: 22,23 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 1333,8 kilograms/min Total Amount Released: 80028 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>	<p>SOURCE STRENGTH: Direct Source: 22,23 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 1333,8 kilograms/min Total Amount Released: 80028 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>
	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (79 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (79 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (79 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>

Condition A, vent 2 m/s

Condition D, vent 5 m/s

Condition F, vent 3 m/s

CO	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1016 hours DST (using computer's clock)</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1017 hours DST (using computer's clock)</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1017 hours DST (using computer's clock)</p>
	<p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm Ambient Boiling Point: -191.5° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p>	<p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm Ambient Boiling Point: -191.5° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p>	<p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol AEGL-1 (60 min): N/A AEGL-2 (60 min): 83 ppm AEGL-3 (60 min): 330 ppm IDLH: 1200 ppm LEL: 125000 ppm UEL: 742000 ppm Ambient Boiling Point: -191.5° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p>
	<p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%</p>	<p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%</p>	<p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%</p>
	<p>SOURCE STRENGTH: Direct Source: 69,74 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 4184,4 kilograms/min Total Amount Released: 251064 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>	<p>SOURCE STRENGTH: Direct Source: 69,74 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 4184,4 kilograms/min Total Amount Released: 251064 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>	<p>SOURCE STRENGTH: Direct Source: 69,74 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 4184,4 kilograms/min Total Amount Released: 251064 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p>
	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (3680 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (920 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (3680 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (920 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (3680 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (920 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>

Condition A, vent 2 m/s

Condition D, vent 5 m/s

Condition F, vent 3 m/s

CO ₂	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1018 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 ppm IDLH: 40000 ppm Normal Boiling Point: -unavail- Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0% Note: Not enough chemical data to use Heavy Gas option</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 697,4 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 41844 kilograms/min Total Amount Released: 2510640 kilograms</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (89980 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1018 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 ppm IDLH: 40000 ppm Normal Boiling Point: -unavail- Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0% Note: Not enough chemical data to use Heavy Gas option</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 697,4 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 41844 kilograms/min Total Amount Released: 2510640 kilograms</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (89980 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1018 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON DIOXIDE Molecular Weight: 44.01 g/mol PAC-1: 30000 ppm PAC-2: 30000 ppm PAC-3: 50000 ppm IDLH: 40000 ppm Normal Boiling Point: -unavail- Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0% Note: Not enough chemical data to use Heavy Gas option</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 697,4 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 41844 kilograms/min Total Amount Released: 2510640 kilograms</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (89980 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>
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Condition A, vent 2 m/s**Condition D, vent 5 m/s****Condition F, vent 3 m/s**

HCI	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1019 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppm IDLH: 50 ppm Ambient Boiling Point: -85.0° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 26,28 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 1576,8 kilograms/min Total Amount Released: 94608 kilograms Note: This chemical may flash boil and/or result in two phase flow.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (60 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1019 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppm IDLH: 50 ppm Ambient Boiling Point: -85.0° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 26,28 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 1576,8 kilograms/min Total Amount Released: 94608 kilograms Note: This chemical may flash boil and/or result in two phase flow.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (60 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1020 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Warning: HYDROGEN CHLORIDE can react with water and/or water vapor. This can affect the evaporation rate and downwind dispersion. ALOHA cannot accurately predict the air hazard if this substance comes in contact with water. Chemical Name: HYDROGEN CHLORIDE Molecular Weight: 36.46 g/mol AEGL-1 (60 min): 1.8 ppm AEGL-2 (60 min): 22 ppm AEGL-3 (60 min): 100 ppm IDLH: 50 ppm Ambient Boiling Point: -85.0° C Vapor Pressure at Ambient Temperature: greater than 1 atm Ambient Saturation Concentration: 1,000,000 ppm or 100.0%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 26,28 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 1576,8 kilograms/min Total Amount Released: 94608 kilograms Note: This chemical may flash boil and/or result in two phase flow.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (358 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (60 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>
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Condition A, vent 2 m/s**Condition D, vent 5 m/s****Condition F, vent 3 m/s**

HCN	SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1020 hours DST (using computer's clock)	SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1021 hours DST (using computer's clock)	SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1021 hours DST (using computer's clock)
	CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7%	CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7%	CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol AEGL-1 (60 min): 2 ppm AEGL-2 (60 min): 7.1 ppm AEGL-3 (60 min): 15 ppm IDLH: 50 ppm LEL: 56000 ppm UEL: 400000 ppm Ambient Boiling Point: 25.5° C Vapor Pressure at Ambient Temperature: 0.81 atm Ambient Saturation Concentration: 807,489 ppm or 80.7%
	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%	ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%
	SOURCE STRENGTH: Direct Source: 2,04 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 122,4 kilograms/min Total Amount Released: 7344 kilograms	SOURCE STRENGTH: Direct Source: 2,04 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 122,4 kilograms/min Total Amount Released: 7344 kilograms	SOURCE STRENGTH: Direct Source: 2,04 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 122,4 kilograms/min Total Amount Released: 7344 kilograms
	THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (45 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.	THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (45 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.	THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (45 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.

Condition A, vent 2 m/s**Condition D, vent 5 m/s****Condition F, vent 3 m/s**

Fumées	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: December 12, 2024 1022 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: A (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 3175,55 kilograms/sec Source Height: 233 meters Release Duration: 60 minutes Release Rate: 190533 kilograms/min Total Amount Released: 11431980 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: December 12, 2024 1022 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 20° C Stability Class: D No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 3175,55 kilograms/sec Source Height: 93 meters Release Duration: 60 minutes Release Rate: 190533 kilograms/min Total Amount Released: 11431980 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>	<p>SITE DATA: Location: ROYE, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: December 12, 2024 1023 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SSW at 3 meters Ground Roughness: open country Cloud Cover: 5 tenths Air Temperature: 15° C Stability Class: F (user override) No Inversion Height Relative Humidity: 50%</p> <p>SOURCE STRENGTH: Direct Source: 3175,55 kilograms/sec Source Height: 155 meters Release Duration: 60 minutes Release Rate: 190533 kilograms/min Total Amount Released: 11431980 kilograms Note: This chemical may flash boil and/or result in two phase flow. Use both dispersion modules to investigate its potential behavior.</p> <p>THREAT ZONE: (GAUSSIAN SELECTED) Model Run: Gaussian Red : LOC is not exceeded --- (21705 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC. Orange: LOC is not exceeded --- (5568 mg/(cu m)) Note: Threat zone was not drawn because the ground level concentrations never exceed the LOC.</p>