

Modélisation de la dispersion atmosphérique des toxiques en cas d'incendie d'une cellule 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1040 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SW 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: 10,27 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 616,2 kilograms/min Total Amount Released: 36972 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>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1042 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SW 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: 10,27 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 616,2 kilograms/min Total Amount Released: 36972 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>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1043 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SW 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: 10,27 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 616,2 kilograms/min Total Amount Released: 36972 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>

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
CO	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1044 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol A EGL-1 (60 min): N/A A EGL-2 (60 min): 83 ppm A EGL-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 SW 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: 32,21 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 1932.6 kilograms/min Total Amount Released: 115956 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>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1045 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol A EGL-1 (60 min): N/A A EGL-2 (60 min): 83 ppm A EGL-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: 5 meters/second from SW 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: 32,21 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 1932.6 kilograms/min Total Amount Released: 115956 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>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1045 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: CARBON MONOXIDE Molecular Weight: 28.01 g/mol A EGL-1 (60 min): N/A A EGL-2 (60 min): 83 ppm A EGL-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: 3 meters/second from SW 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: 32,21 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 1932.6 kilograms/min Total Amount Released: 115956 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>

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
CO₂	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1046 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 SW 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: 322,08 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 19324,8 kilograms/min Total Amount Released: 1159488 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1046 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 SW 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: 322,08 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 19324,8 kilograms/min Total Amount Released: 1159488 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1046 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 SW 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: 322,08 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 19324,8 kilograms/min Total Amount Released: 1159488 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>

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
HCl	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1047 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 SW 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: 12,14 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 728.4 kilograms/min Total Amount Released: 43704 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1047 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 SW 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: 12,14 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 728.4 kilograms/min Total Amount Released: 43704 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1048 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 SW 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: 12,14 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 728.4 kilograms/min Total Amount Released: 43704 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>

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
HCN	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1048 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol A EGL-1 (60 min): 2 ppm A EGL-2 (60 min): 7.1 ppm A EGL-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%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SW 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: 0,94 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 56,4 kilograms/min Total Amount Released: 3384 kilograms</p> <p>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.</p>	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1049 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol A EGL-1 (60 min): 2 ppm A EGL-2 (60 min): 7.1 ppm A EGL-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%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SW 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: 0,94 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 56,4 kilograms/min Total Amount Released: 3384 kilograms</p> <p>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.</p>	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1049 hours DST (using computer's clock)</p> <p>CHEMICAL DATA: Chemical Name: HYDROGEN CYANIDE Molecular Weight: 27.03 g/mol A EGL-1 (60 min): 2 ppm A EGL-2 (60 min): 7.1 ppm A EGL-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%</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SW 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: 0,94 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 56,4 kilograms/min Total Amount Released: 3384 kilograms</p> <p>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.</p>

	Condition A, vent 2 m/s	Condition D, vent 5 m/s	Condition F, vent 3 m/s
Fumées	<p>SITE DATA: Location: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.42 (unsheltered single storied) Time: APRIL 23, 2025 1050 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 2 meters/second from SW 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: 1466.57 kilograms/sec Source Height: 174 meters Release Duration: 60 minutes Release Rate: 87994.2 kilograms/min Total Amount Released: 5279652 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 1.04 (unsheltered single storied) Time: APRIL 23, 2025 1050 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 5 meters/second from SW 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: 1466.57 kilograms/sec Source Height: 70 meters Release Duration: 60 minutes Release Rate: 87994.2 kilograms/min Total Amount Released: 5279652 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: LES MUREAUX, FRANCE Building Air Exchanges Per Hour: 0.65 (unsheltered single storied) Time: APRIL 23, 2025 1051 hours DST (using computer's clock)</p> <p>ATMOSPHERIC DATA: (MANUAL INPUT OF DATA) Wind: 3 meters/second from SW 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: 1466.57 kilograms/sec Source Height: 116 meters Release Duration: 60 minutes Release Rate: 87994.2 kilograms/min Total Amount Released: 5279652 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>