

Threshold Quantities of Hazardous Substances That Activate the Requirement for a Location Test Certificate

Hazard Classes 2 to 4

Hazard classification	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers
2.1.1A and B	100 kg (or 100 m ³ where a permanent gas)	100 kg (or 100 m ³ where a permanent gas)
2.1.2A	3 000 L (aggregate water capacity)	3 000 L (aggregate water capacity)
3.1A	20 L	20 L
3.1B	100 L in containers greater than 5 L	50 L
	250 L in containers up to and including 5 L	50 L
3.1C	500 L in containers greater than 5 L	250 L
	1 500 L in containers up to and including 5 L	250 L
3.2A, B, and C	1 L	1 L
4.1.1A	1 kg	1 kg
4.1.1B	100 kg	100 kg
4.1.2A and B	1 kg	1 kg
4.1.2C and D	25 kg	25 kg
4.1.2E, F, and G	50 kg	50 kg
4.1.3A, B, and C	1 kg	1 kg
4.2A	1 kg	1 kg
4.2B and C	25 kg	25 kg
4.3A	1 kg	1 kg
4.3B	25 kg	25 kg
4.3C	50 kg	50 kg]

Hazard Class 5.1.1

Hazard classification	Hazardous substance location or transit depot where package to be kept closed at all times
5.1.1A	50 kg or 50 L
5.1.1B	500 kg or 500 L
5.1.1C	1 000 kg or 1 000 L
5.1.2A	100 kg (where a non-permanent gas) or 200 m ³ (where a permanent gas)

Hazard Class 5.2

Hazard classification	Quantity
5.2A	Any quantity
5.2B	More than 1 kg
5.2C or 5.2D	More than 10 kg
5.2E or 5.2F	More than 25 kg

Threshold Quantities of Hazardous Substances That Activate the Requirement for an Approved Handler

Hazard classes 2 to 4

Hazard classification Quantity

2.1.1A	100 kg (not permanent gases) 100 m ³ (permanent gases)
2.1.2A	3 000 L aggregate water capacity
3.1A	Any amount
[3.1B	250 L (when in containers greater than 5 L)] 500 L (when in containers up to and including 5 L)]
3.2A	Any amount
3.2B	100 L
4.1.1A	100 kg
4.1.2A and B	Any amount
4.1.2C and D	25 kg
4.1.2E and F	50 kg
4.1.3A	Any amount
4.1.3B	100 kg
4.2A	Any amount
4.2B	100 kg
4.3A	Any amount
4.3 B	100 kg

Hazard class 5.1.1

Hazard classification Quantity

5.1.1A	Any amount
5.1.1B	500 kg or L
5.1.1C	1 000 kg or L
5.1.2A	250 kg or 200 m ³

Hazard classification 5.2

Hazard classification Quantity

5.2A or 5.2B	Any amount
5.2C, 5.2D, 5.2E, or 5.2F	10 kg or 10 L
5.2G	Approved handler not required

Hazard classifications 6, 8 and 9

Class of substance

6.1A, 6.1B, 6.1C (except for propellant powders of classes 1.1C (UN 0160) and 1.3C (UN 0161))

6.7A

8.2A

9.1A, 9.2A, 9.3A, and 9.4A

Propellant powders of classes 1.1C (UN 0160) and 1.3C (UN 0161)

Quantity

Any quantity

10 kg or more, if solid

10 L or more, if liquid

Any quantity

Any quantity

50 kg or more before sale to the public

15 kg or more after sale to the public]

Threshold Quantities of Hazardous Substances That Activate the Requirements for Emergency Response Plans and Secondary Containment

Hazard classification	Description	Quantity
1.1A, 1.1B, 1.1C, 1.1D, 1.1E, 1.1F, 1.1G, 1.1J, 1.1L, 1.2B, 1.2C, 1.2D, 1.2E, 1.2F, 1.2G, 1.2H, 1.2J, 1.2K, 1.2L	liquid	50 L
	solid	50 kg
1.3C, 1.3F, 1.3G, 1.3H, 1.3J, 1.3K, 1.3L	liquid	100 L
	solid	100 kg
1.4B, 1.4C, 1.4D, 1.4E, 1.4F, 1.4G, 1.4S, 1.5D, 1.6N, except the following:	liquid	200 L
	solid	200 kg
(a) fireworks subject to the Hazardous Substances (Fireworks) Regulations 2001: and		
(b) safety ammunition, including pre-primed cartridges and primers, of class 1.4S; and		
(c) airbag initiators and seatbelt pretensioners of classes 1.4G and 1.4S: and		
(d) cable cutters of class 1.4S (UN 0070); and		
(e) power device cartridges of class 1.4S (UN 0323); and		
(f) signal or shock tubes of class 1.4S (UN 0349); and		
(g) cassette degradation devices of class 1.4S (UN 0432); and		
(h) emergency flares and signalling devices of classes 1.3G, 1.4G, and 1.4S,		
2.1.1A	non-permanent gas	300 kg
	permanent gas	200 m ³
2.1.1B	non-permanent gas	1 000 kg
	permanent gas	600 m ³
2.1.2A	aerosol	3 000 L aggregate water capacity
3.1A	liquid	100 L
3.1B	liquid	1 000 L
3.1C, 3.1D	liquid	10 000 L
3.2A, 3.2B, 3.2C	liquid	100 L
4.1.1A	solid	1 000 kg
4.1.1B	solid	10 000 kg
4.1.2A, 4.1.2B	liquid	50 L
	solid	50 kg

Hazard classification	Description	Quantity
4.1.2C, 4.1.2D	liquid	100 L
	solid	100 kg
4.1.2E, 4.1.2F, 4.1.2G	liquid	200 L
	solid	200 kg
4.1.3A, 4.1.3B, 4.1.3C	liquid	100 L
	solid	100 kg
4.2A	liquid	100 L
	solid	100 kg
4.2B	solid	1 000 kg
4.2C	solid	10 000 kg
4.3A	liquid	100 L
	solid	100 kg
4.3B	liquid	1 000 L
	solid	1 000 kg
4.3C	liquid	10 000 L
	solid	10 000 kg
5.1.1A	liquid	50 L
	solid	50 kg
5.1.1B	liquid	500 L
	solid	500 kg
5.1.1C	liquid	5 000 L
	solid	5 000 kg
5.1.2A	non-permanent gas	100 kg
	permanent gas	100 m3
5.2A, 5.2B	liquid	10 L
	solid	10 kg
5.2C, 5.2D	liquid	25 L
	solid	25 kg
5.2E 5.2F	liquid	100 L
	solid	100 kg
6.1A, 6.1B, 6.1C	non-permanent gas	5 kg
	permanent gas	2.5 m3
	liquid	100 L
	solid	100 kg
6.1D, 6.5A, 6.5B, 6.7A	non-permanent gas	50 kg
	permanent gas	25 m3
	liquid	1 000 L
	solid	1 000 kg

Hazard classification	Description	Quantity
6.6A, 6.7B, 6.8A, 6.9A	liquid	10 000 L
	solid	10 000 kg
8.2A	non-permanent gas	5 kg
	permanent gas	2.5 m3
	liquid	100 L
	solid	100 kg
8.2B	non-permanent gas	50 kg
	permanent gas	25 m3
	liquid	1 000 L
	solid	1 000 kg
8.2C, 8.3A	liquid	10 000 L
	solid	10 000 kg
9.1A	liquid	100 L
	solid	100 kg
9.1B, 9.1C	liquid	1 000 L
	solid	1 000 kg
9.1D	liquid	10 000 L
	solid	10 000 kg]

Threshold Quantities of Hazardous Substances That Activate the Requirement for Fire Extinguishers

Hazard classification	Description	Quantity	No
1.1A, 1.1B, 1.2B	solid	1 kg	1
1.1C, 1.1D, 1.1E 1.1F, 1.1G, 1.1J, 1.1L, 1.2C, 1.2D, 1.2E, 1.2F, 1.2G, 1.2H, 1.2J, 1.2K, 1.2L, 1.3C, 1.3F, 1.3G, 1.3H, 1.3J, 1.3K, 1.3L	liquid	25 L	1
	solid	25 kg	
1.4B, 1.4C, 1.4D, 1.4E, 1.4F, 1.4G, 1.4S, 1.5D, 1.6N	solid	50 kg	1
Fireworks subject to the Hazardous Substances (Fireworks) Regulations 2001	solid	300 kg (gross weight)	1
Safety ammunition, including pre-primed cartridges and primers, of class 1.4S	solid	500 kg (gross weight)	1
2.1.1A	non-permanent gas	50 kg	1
	permanent gas	30 m3	
2.1.1B	non-permanent gas	200 kg	2
	permanent gas	120 m3	
2.1.2A	aerosol	3 000 L aggregate water capacity	1
3.1A	liquid	50 L	1
		200 L	2
3.1B	liquid	250 L	2
3.1C, 3.1D	liquid	500 L	2
3.2A, 3.2B, 3.2C	liquid	50 L	1
		200 L	2
4.1.1A	solid	250 kg	2
4.1.1B	solid	500 kg	2
4.1.2A, 4.1.2B, 4.1.2C, 4.1.2D, 4.1.2E, 4.1.2F, 4.1.2G	liquid	50 L	1
		200 L	2
	solid	50 kg	1
		200 kg	2
4.1.3A, 4.1.3B, 4.1.3C	liquid	50 L	1
		200 L	2
	solid	50 kg	1
		200 kg	2
4.2A	liquid	50 L	1
		200 L	2
	solid	50 kg	1

Hazard classification	Description	Quantity	No
		200 kg	2
4.2B	solid	250 kg	2
4.2C	solid	500 kg	2
4.3A	liquid	50 L	1
		200 L	2
	solid	50 kg	1
		200 kg	2
4.3B	liquid	250 L	2
	solid	250 kg	
4.3C	liquid	500 L	2
	solid	500 kg	
5.1.1A	liquid	5 L	1
	solid	5 kg	
5.1.1B	liquid	200 L	1
	solid	200 kg	
5.1.1C	liquid	500 L	2
	solid	500 kg	
5.1.2A	non-permanent gas	10 kg	1
		50 kg	2
	permanent gas	10 m3	1
		50 m3	2
5.2A, 5.2B	liquid	1 L	1
	solid	1 kg	
5.2C, 5.2D	liquid	10 L	1
	solid	10 kg	
5.2E, 5.2F	liquid	50 L	1
	solid	50 kg	

Threshold Quantities of Hazardous Substances That Activate the Requirement for Signage

Hazard classification	Description	Quantity
1	Fireworks subject to the Hazardous Substances (Fireworks) Regulations 2001	1 000 kg (gross weight)
	Safety ammunition, including pre-primed cartridges and primers, of class 1.4S	10 000 kg (gross weight)
	Airbag initiators and seatbelt pretensioners of class 1.4G and 1.4S	5 000 kg (gross weight)
	Cable cutters of class 1.4S (UN 0070)	5 000 kg (gross weight)
	Power device cartridges of class 1.4S (UN 0323)	5 000 kg (gross weight)
	Signal or shock tubes of class 1.4S (UN 0349)	5 000 kg (gross weight)
	Cassette degradation devices of class 1.4S(UN 0432)	5 000 kg (gross weight)
	Propellants of class 1.1C (UN 0160) and 1.3C (UN 0161 and UN 0499), gun-powder of class 1.1D (UN 0027), and substances of classes 1.3G, 1.4G, and 1.4S not listed above	50 kg
	All remaining explosive hazardous classifications	any quantity
2.1.1A	non-permanent gas	250 kg
	permanent gas	100 m3
2.1.1B	non-permanent gas	500 kg
	permanent gas	200 m3
2.1.2A	aerosol	3 000 L
		aggregate water capacity
3.1A, 3.2A, 4.1.3A, 4.2A, 4.3A	liquid	50 L
	solid	50 kg
3.1B, 3.2B, 4.1.3B, 4.2B, 4.3B	liquid	250 L
	solid	250 kg
3.1C, 3.2C, 4.1.3C, 4.2C, 4.3C	liquid	1 000 L
	solid	1 000 kg
3.1D	liquid	10 000 L
4.1.1A	solid	250 kg
4.1.1B	solid	1 000 kg
4.1.2A, 4.1.2B	liquid	50 L

Hazard classification	Description	Quantity
4.1.2C, 4.1.2D	solid	50 kg
	liquid	250 L
	solid	250 kg
4.1.2E, 4.1.2F, 4.1.2G	liquid	1 000 L
	solid	1 000 kg
5.1.1A	liquid	50 L
	solid	50 kg
5.1.1B	liquid	500 L
	solid	500 kg
5.1.1C	liquid	1 000 L
	solid	1 000 kg
5.1.2A	non-permanent gas	250 kg
	permanent gas	500 m3
5.2A, 5.2B	liquid	1 L
	solid	1 kg
5.2C, 5.2D, 5.2E, 5.2F	liquid	10 L
	solid	10 kg
6.1A	liquid	50 L
	solid	50 kg
6.1B	liquid	250 L
	solid	250 kg
6.1C	liquid	1 000 L
	solid	1 000 kg
6.1D	liquid	10 000 L
	solid	10 000 kg
6.1A, 6.1B. 6.1C	non-permanent gas	5 kg
	permanent gas	2.5 m3
8.1A	liquid	1 000 L
	solid	1 000 kg
8.2A	non-permanent gas	5 kg
	permanent gas	2.5 m3
	liquid	50 L
	solid	50 kg
8.2B	non-permanent gas	50 kg
	permanent gas	25 m3
	liquid	250 L
	solid	250 kg
8.2C, 8.3A	liquid	1 000 L

Hazard classification	Description	Quantity
	solid	1 000 kg
9.1A, 9.2A, 9.3A, 9.4A	liquid	100 L
	solid	100 kg
9.1B, 9.1C, 9.2B, 9.2C, 9.3B, 9.4B, 9.4C	liquid	1 000 L
	solid	1 000 kg
9.1D, 9.2D, 9.3C	liquid	10 000 L
	solid	10 000 kg]

Substances and Materials Incompatible with Class 2, 3 and 4 Substances

Hazard classification	Incompatible substances and materials
2.1.1	All class 1 substances Class 2.1.2 substances All class 3 substances All class 4 substances All class 5 substances
2.1.2	All class 1 substances All class 3 substances All class 4 substances All class 5 substances
3.1	All class 1 substances All class 2 substances Class 3.2 substances All class 4 substances All class 5 substances
3.2	All class 1 substances All class 2 substances Class 3.1 substances Class 4.1.2, 4.2, and 4.3 substances All class 5 substances
4.1.1 (readily combustible solids)	All class 1 substances All class 2 substances Class 4.1.2, 4.1.3, 4.2, and 4.3 substances All class 5 substances
4.1.1 (those solids which may cause fire through friction only)	Any substance likely to cause a spark when struck against such a class 4.1.1 substance
4.1.2	All class 1 substances All class 2 substances Class 3.1 and 3.2 substances Class 4.1.3 and 4.2 substances All class 5 substances Catalytic impurities having a detrimental influence on the thermal stability and hazard presented by class 4.1.2 substances
4.1.3	All class 1 substances All class 2 substances Class 3.1 substances Class 4.2 substances

4.2 All class 5 substances
All class 1 substances
All class 2 substances
All class 3 substances
Class 4.1.1, 4.1.2, 4.1.3, and 4.3 substances
All class 5 substances
Air
Oxygen

4.3 All class 1 substances
All class 2 substances
All class 3 substances
Class 4.1.1, 4.1.2, 4.1.3, and 4.2 substances
All class 5 substances
All class 8 substances
Water