

## HAZARDOUS SUBSTANCES AND CONTROLLED QUANTITIES

PART A  
TOXIC SUBSTANCES

(1) Hazardous substances	(2) Controlled quantities
	(in tonnes, unless otherwise stated)
1. Acetone Cyanohydrin (2-Cyanopropan-2-ol)	200
2. Acrolein (2-Propenal)	200
3. Acrylonitrile	20
4. Allyl alcohol (2-Propen-1-ol)	200
5. Allylamine	200
6. Ammonia (anhydrous or as solution containing more than 50%) by weight of ammonia)	100
7. Arsenic trioxide, Arsenious (III) acid and salts	1
8. Arsine (Arsenic hydride)	1
9. Bromine	40
10. Carbon disulphide	20
11. Chlorine	10
12. Ethylene dibromide (1,2-Dibromoethane)	50
13. Ethyleneimine	50
14. Formaldehyde (>90%)	50
15. Hydrogen chloride (liquefied gas)	250
16. Hydrogen cyanide	20
17. Hydrogen fluoride	10
18. Hydrogen selenide	1
19. Hydrogen sulphide	50
20. Methyl bromide (Bromoethane)	200
21. Methyl isocyanate	150 kilograms
22. Nickel tetracarbonyl	1
23. Nitrogen oxides	50
24. Oxygen difluoride	1
25. Pentaborane	1
26. Phosgene	750 kilograms
27. Phosphine (Hydrogen phosphide)	1
28. Propyleneimine	50
29. Selenium hexafluoride	1
30. Stibine (Antimony hydride)	1
31. Sulphur dioxide	20
32. Sulphur trioxide (including the sulphur trioxide content in oleum)	15
33. Tellurium hexafluoride	1
34. 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)	1 kilogram
35. Tetraethyl lead	50
36. Tetramethyl lead	50

**PART B**

**HIGHLY REACTIVE SUBSTANCES AND EXPLOSIVE SUBSTANCES**

<b>(1) Hazardous substances</b>	<b>(2) Controlled quantities</b>
	<b>(in tonnes, unless otherwise stated)</b>
37. Acetylene (Ethyne) when a gas subject to a pressure not exceeding 620 millibars above that of the atmosphere, and not otherwise deemed to be an explosive by virtue of Order in Council No 30(a) as amended by the Compressed Acetylene Order 1947(b), or when contained in a homogeneous porous substance in cylinders in accordance with Order of Secretary of State No 9(c), made under the Explosives Act 1875(d)	50
38. Ammonium nitrate and mixtures containing ammonium nitrate where the nitrogen content derived from the ammonium nitrate exceeds 28% of the mixture by weight other than - (i) mixtures to which the Explosives Act 1875 applies; (ii) ammonium nitrate based products manufactured chemically for use as fertiliser which comply with Council Directive 80/876/EEC(e); or (iii) compound fertilisers	500
39. Aqueous solutions containing more than 90 parts by weight of ammonium nitrate per 100 parts by weight of solution	500
40. Ammonium nitrate based products manufactured chemically for use as fertilisers which comply with Council Directive 80/876/EEC and compound fertilisers where the nitrogen content derived from the ammonium nitrate exceeds 28% of the mixture by weight	1000
41. 2,2-Bis(tert-butylperoxy)butane (>70%)	5
42. 1,1-Bis(tert-butylperoxy)cyclohexane (>80%)	5
43. tert-Butyl peroxyacetate (>70%)	5
44. tert-Butyl peroxyisobutyrate (>80%)	5
45. tert-Butyl peroxyisopropylcarbonate (>80%)	5
46. tert-Butyl peroxy maleate (>80%)	5
47. tert-Butyl peroxy pivalate (>77%)	5
48. Cellulose nitrate other than - (i) cellulose nitrate to which the Explosives Act 1875 applies; or (ii) solutions of cellulose nitrate where the nitrogen content of the cellulose nitrate does not exceed 12.3% by weight and the solution contains not more than 55 parts of cellulose nitrate per 100 parts by weight of solution	50
49. Dibenzyl peroxydicarbonate (>90%)	5
50. Diethyl peroxydicarbonate (>30%)	5
51. 2,2-Dihydroperoxypropane (>30%)	5
52. Di-isobutyryl peroxide (>50%)	5
53. Di-n-propyl peroxydicarbonate (>80%)	5
54. Di-sec-butyl peroxydicarbonate (>80%)	5
55. Ethylene oxide	5
56. Ethyl nitrate	50
57. 3,3,6,6,9,9-Hexamethyl-1,2,4-tetroxacyclononane (>75%)	5
58. Hydrogen	2
59. Liquid Oxygen	500
60. Methyl ethyl ketone peroxide (>60%)	5
61. Methyl isobutyl ketone peroxide (>60%)	5
62. Peracetic acid (>60%)	5
63. Propylene oxide	5
64. Sodium chlorate	25
65. Sulphur dichloride	1

## PART C

### FLAMMABLE SUBSTANCES (UNLESS SPECIFICALLY NAMED IN PART A OR PART B)

<b>(1) Hazardous substances</b>	<b>(2) Controlled quantities  (in tonnes, unless otherwise stated)</b>
66. Liquefied petroleum gas, such as commercial propane and commercial butane, and any mixtures thereof, when held at a pressure greater than 1.4bar absolute	25
67. Liquefied petroleum gas, such as commercial propane and commercial butane, and any mixture thereof, when held under refrigeration at a pressure of 1.4 bar absolute or less	50
68. Gas or any mixture of gases which is flammable in air, when held as a gas	15
69. A substance or any mixture of substances, which is flammable in air, when held above its boiling point (measured at 1 bar absolute) as a liquid or as a mixture of liquid and gas at a pressure of more than 1.4 bar absolute	25
70. A liquefied gas or any mixture of liquefied gases, which is flammable in air and has a boiling point of less than 0°C (measured at 1 bar absolute), when held under refrigeration or cooling at a pressure of 1.4 bar absolute or less	50
71. A liquid or any mixture of liquids not included in entries 68 to 70 above, which has a flash point of less than 21 C	10,000

## PART D

### INTERPRETATION

In this Schedule -

- (a) references to percentages are references to parts by weight of the substance per 100 parts by weight of the solution;
- (b) "compound fertiliser" means a fertiliser containing ammonium nitrate and phosphate or potash;
- (c) Part C does not include a substance which is within Part A or Part B;
- (d) a substance, or any mixture of substances, shall only be treated as a hazardous substance by virtue of satisfying a description in entry number 37, 66, 67, 68, 69 or 70 when it is in a state in which it satisfies the description;
- (e) the controlled quantity of 25 tonnes in entry 69 refers, in the case of a mixture of substances, to the quantity of substances within that mixture held above their boiling point (measured at 1 bar absolute);
- (f) the controlled quantity of 50 tonnes in entry 70 refers, in the case of a mixture of substances, to the quantity of substances within that mixture having boiling points below 0°C.