

Schedule 3
[see rule 2(b), 2(b), 2(e), 2(g)]

Named Chemicals

Sr. No.	Chemical	Threshold Quantity		CAS Number
		for appln. of Rules, 5, 7-9 and 13-15	for appln. of Rules 10-12	
1	2	3	4	5
	GROUP 1-TOXIC SUBSTANCES			
1.	Aldicarb	100 kg		116-06-3
2.	4-Aminodiphenyl	1 kg		96-67-1
3.	Amiton	1 kg		78-53-5
4.	Anabasine	100 kg		494-52-0
5.	Arseinc pentoxide, Arsenic (V) acid & salts	500 kg		
6.	Arsenic trioxide, Arseius (III) acid & salts	100 kg		
7.	Arsine (Arsenic hydride)	10 kg		7784-42-1
8.	Azinphos-ethyl	100 kg		2642-71-9
9.	Azinphos-melhyl	100 kg		86-50-0
10.	Benzidine	1 kg		92-87-5
11.	Benzidine salts	1 kg		10 kg
12.	Beryllium (powders, compounds}			
13.	Bis (2-chloroethyl) sulphide	1 kg		505-60-2
14.	Bis (chloromethyl) ether	1 kg		542-88-1
15.	Carbophuran	100 kg		1563-66-2
16.	Carbophenothion	100 kg		786-19-6
17.	Chlorefenvinphos	100 kg		470-90-6
18.	4-(Chloroformyl) morpholine	1 kg		15159-40-7
19.	Chloromethyl methyl ether	1 kg		107-30-2
20.	Cobalt (metal, oxides, carbonates, sulphides, as powders)	1 000kg		
21.	Crimidine	100 kg		535-89-7
22.	Cynthoate	100 kg		3734-95-0
23.	Cycloheximide	100 kg		66-81-9
24.	Demeton	100 kg		8065-48-3
25.	Dialifos	100 kg		10311-84-9
26.	OO-Diethyl S-ethylsulphinylmethyl phosphorothiate	100 kg		2588-05-8
27.	OO-Diethyl S-ethylsulphonylmethyl phosphorothioate	100 kg		2588-06-9
28.	OO-Dielhyl S-ethylhhiomethyl Phosphorothioate	100 kg		2600-69-3

29.	OO-Diethyl S-isopropylthiomethyl phosphorodithioate	100kg		78-52-4
30.	OO-Diethyl S-propylthiomethyl phosphorodithioate	100 kg		3309-68-0
31.	Dimefox	100 kg		115-26-4
32.	Dimethylcarbamoyl chloride	1 kg		79-44-7
33.	Dimethylnitrosamine	1 kg		62-75-9
34.	Dimethyl phosphoramidocynidic acid	1 t		63917-41-9
35.	Diphacinone	100 kg		82-66-6
36.	Disulfoton	100 kg		298-04-4
37.	EPN	100 kg		2104-64-5
38.	Ethion	100 kg		563-12-2
39.	Fensulfothion	100 kg		115-90-2
40.	Fluometil	100 kg		4301-50-2
41.	Fluoroacetic acid	1 kg		144-49-0
42.	Fluoroacetic acid, salts	1 kg		
43.	Fluoroacetic acid, salts ester	1 kg		
44.	Fluoroacetic acid, amides	1 kg		
45.	4-Fluorobutyric acid	1 kg		462-23-7
46.	4-Fluorobutyric acid, salts	1 kg		
47.	4-Fluorobutyric acid, esters	1 kg		
48.	4-Fluorobutyric acid, amides	1 kg		
49.	4-Fluorocrotonic acid	1 kg		37759-72-1
50.	4-Fluorocrotonic acid, salts	1 kg		
51.	4-Fluorocrotonic acid, esters	1 kg		
52.	4-Fluorocrotonic acid, amides	1 kg		
53.	4-Fluoro-2-hydroxybutyric acid, amides	1 kg		
54.	4-Fluoro-2-hydroxybutyric acid, salts	1 kg		
55.	4-Fluoro-2-hydroxybutyric acid, esters	1 kg		
56.	4-Fluoro-2-hydroxybutyric acid, amides	1 kg		
57.	Glycolonitrile (Hydroxyacetonitrile)	00 kg		1 107-16-4
58.	1, 2, 3, 7, 8, 9-Hexachlorodibenzo-p-dioxin	100 g		194-8-74-3
59.	Hexamethylphosphoramide	1 kg		680-31-9
60.	Hydrogen selenide	10 kg		7783-07-5
61.	Isobenzan	100 kg		297-78-9
62.	Isodrin	100 kg		465-73-6
63.	Juglone (5-Hydroxynaphthalene 1, 4 dione)	100 kg		481-39-0
64.	4, 4-Methylenebis (2-chloroniline)	10 kg		101-14-4
65.	Methyl isocyanate	150 kg	150 kg	624-83-9
66.	Mevinphos	100 kg		7786-34-7

67.	2-Naphthylamine	1 kg		91 -59-8
68.	2-Nickel (metal, oxides, carbonates, sulphides, as powders)	1 t		
69.	Nickel tetracarbonyl	10 kg		13463-39-3
70.	Oxygendisulfoton	100 kg		2497-07-6
71.	Oxygen difluoride	10 kg		7783-41-7
72.	Paraxon (Diethyl 4-nitrophenyl phosphate)	100 kg		311 -45-5
73.	Parathion	100 kg		56-38-2
74.	Parathion-methyl	100 kg		298-00-0
75.	Pentaborane	100 kg		19624-22-7
76.	Phorate	100 kg		298-02-2
77.	Phosacetim	100 kg		4104-14-7
78.	Phosgene (carbonyl chloride)	750 kg		75-44-5
79.	Phosphamidon	100 kg		13171-41-6
80.	Phosphine (Hydrogen phosphide)	100 kg		7803-51 -2
81.	Promurit (1-(3, 4-dichlorophenyl)-3 triazenethiocarboxamide)	100 kg		5836-73-7
82.	1, 3-Propanesultone	1 kg		1120-7t-4
83.	1 -Propen-2-chloro- 1, 3-diol diacetate	10 kg		10118-72-6
84.	Pyrazoxon	100 kg		108-34-9
85.	Selenium hexafluoride	10 kg		7783-79-1
86.	Sodium selenite	100 kg		10102-18-8
87.	Stibine (Antimony hydride)	100 kg		7803-52-3
88.	Sulfotep	100 kg		3689-24-5
89.	Sulphur dichloride	1 t		10545-99-0
90.	Tellurium hexanuroride	100 kg		7783-80-4
91.	TEPP	100 kg		107-49-3
92.	2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin(TCDD)	1 kg		1746-01 -6
93.	Tetramethylenedisulphotetramine	1 kg		80-12-6
94.	Thionazin	100 kg		97-97-22
95.	Tirpate (2, 4-Dimethyl-1, 3-dihydro-2-carboxaldehyde O-methylcarbamoyloxime)	100 kg		26419-8
96.	Trichloromethanesulphenyl chloride	100 kg		594-42-3
97.	1-Tri (cyclohexyl) stannyl-H-1, 2, 4-triazole	100 kg		41083-11-8
98.	Triethylenemelamine	10 kg		51-18-3
99.	Warfarin	100 kg		81-81-2
	GROUP 2-TOXIC SUBSTANCES			
100.	Acetonecyanohydrin (2-Cyanopropan-2-01)	200 t		75-86-5
101.	Acrolein (2-Propenal)	20 t		107-02-8

102.	Acrylonitrile	20 t	200 t	107-13-1
103.	Allyl alcohol (Propen-1-01)	200 t		107-18-6
104.	Alylamine	200 t		107-11-9
105.	Ammonia	50 t	500 t	7664-41-7
106.	Bromine	40 t		7726-95-6
107.	Carbon disulphide	20 t	200 t	75-15-0
108.	Chlorine	10 t	25 t	7782-fO 5
109.	Dipneyl ethane di-isocynate (MDI)	20 t		101-68-8
110.	Ethylene dibromide (1, 2-Dibromoethane)	5 t		106-93-4
111.	Ethyleneimine	50 t		151-56-4
112.	Formaldehyde (concentration £90%)	5 t		50-00 0
113.	Hydrogen chloride (liquified gas)	250 t	25t	7647-01-0
114.	Hydrogen cynide	5 t	20 t	74-90-8
115.	Hydrogen fluoride	5 t	50 t	7664-39-3
116.	Hydrogen sulphide	5 t	50 t	7783-06-4
117.	Methyl bromide (Bromomethane)	20 t		74-83-9
118.	Nitrogen oxides	50 t		11104-93-1
119.	Propylineimine	50 t		75-55-8
120.	Sulphur dioxide	20 t	250 t	7446-09-5
121.	Sulphur trioxide	15 t	75 t	7446-11-9
122.	Tetraethyl lead	5 t		78-00-2
123.	Tetramethyl lead	5 t		75-74-1
124.	Toluene di-isocvnate (TDI)	10 t		584-84-975-01-4
	GROUP 3—HIGHLY REACTIVE SUBSTANCES			
125.	Acetylene (ethyne)	5 t		74-86-2
126.	a. Ammonium nitrate (1)	350 t	2500 t	6484-52-2
127.	b. Ammonium nitrate in form of fertiliser (2)	1250 t		
128.	2 2-Bis (tert-butylperoxy) butane (eoncentration ≥70%)	5 t		2167-23-9
129.	1 I-Bis (tert-butylperoxy) cyclohexane (concentration ≥80%)	5 t		3006-86-8
130.	tert-Butyl proxyacetate (concentration ≤70%)	5 t		107-71-1
131.	Tert-Butyl peroxyisobutyrate (concentration ≥80%)	5t		109-13-7
132.	tert-Butyl peroxy isopropyl carbonate (concentration ≥80%)	5 t		2372-21-6
133.	tert-Butyl peroxy maleate (concentration- ≥80%)	5 t		1931-62-0
134.	Tert-Butyl peroxy pivalate	50 t		927-07-1

	(concentration $\geq 77\%$)			
135.	Dibenzyl peroxydicarbonate (concentration $\geq 90\%$)	5 t		2144-45-8
136.	Di-sec-butyl peroxydicarbonate (concentration $\geq 80\%$)	5 t		19910-65-7
137.	Diethyl peroxydicarbonate (concentration $\geq 30\%$)	50 t		14666-78-5
138.	2, 2-dihydroperoxypropane (concentration $\geq 30\%$)	5 t		2614-76-08
139.	Di-isobutyl peroxide (concentration $\geq 50\%$)	50 t		437-84-1 3
140.	Di-n-propyl peroxydicarbonate (concentration $\geq 80\%$)	5 t		16066-38-9
141.	Ethylene oxide	5 t	50 t	75-21-8
142.	Ethyl nitrate	50 t		625-58-1
143.	3, 3, 6, 6, 9, 9-Hexamethyl-1, 2, 4, 5-tert oxacyclononane (concentration $\geq 75\%$)	50 t		22397-38-7
144.	Hydrogen	2 t	50 t	1333-74-0
145.	Liquid Oxygen	200 t		7782-41-7
146.	Methyl ethyl ketone peroxide (concentration $\geq 60\%$)	50 t		1338-23-4
147.	Methyl isobutyl ketone peroxide (concentration $\geq 60\%$)	50 t		37206-20-5
148.	Peracetic acid (concentration $\geq 60\%$)	50 t		79-21-0
149.	Propylene oxide	50 t		75-56-9
150.	Sodium chlorate	25 t		7775-09-9
	GROUP 4-EXPLOSIVE SUBSTANCES			
151.	Barium azide	50 t		18810-58-7
152.	Bis (2,4, 6-trinitrophenyl) amine	50 t		131-073-7
153.	Chlorotrinitro benzene	50 t		28260-61-9
154.	Cellulose nitrate (containing 12.6% Nitrogen)	50 t		9004-70-0
155.	Cyclotetramethyleneteranitramine	50 t		2691-41-0
156.	Cyclotrimethylenetiranitramine	50 t		121-82-1
157.	Diazodinitrophenol	10 t		7008-81-3
158.	Diethylene glycol dinitrate	10 t		693-21-0
159.	Dinitrophenol, salts	50 t		
160.	Ethylene glycol dinitrate	10 t		628-96-6
161.	1-Guanyl-4-nitrosaminoguanyl-1-tetrazene	10 t		109-27-3
162.	2, 2', 4, 4', 6, 6'-Hexanitrostilbene	50 t		20062-22-0
163.	Hydrazine nitrate	50 t		13464-97-6

164.	Lead azide	50 t		13424-46-9
165.	Lead styphnate (Lead 2, 4, 6-trinitroresorcinoxide)	50 t		15245 44-0
166.	Mercury fulminate	10 t		20820-45-5
167.	N-Methyl-N, 2, 4 6-tetranitroaniline	50t		479-45-8
168.	Nitroglycerine	10t	10 t	55-63-0
169.	Pentacrythritol tetranitrate	50t		78-11-5
170.	Picric acid (2, 3, 6-Tr.nitrophenol)	10 t		88-89-1
171.	Sodium picramate	50 t		831-52-7
172.	Styphnic acid (2, 4, 6-Trinitroresorcinol)	50 t		82-71-3
173.	1, 3, 5-Triamino-2, 4, 6-trinitrobenzene	50 t		3058-38-6
174.	Trinitroaniline-	50 t		2695242-1
175.	2, 4, 6-Trinitroanisole	50 t		606-35-9
176.	Trinitrobenzene	50 t		25377-32-6
177.	Trinitrobenzoic acid	50 t		2890S-71-7
178.	2,4, 6-Trinitrophenitolc	50 t		47324-3
179.	2,4, 6-Trinitrotulene	50 t	50 t	118-96-7

PART-II
Classes of chemicals not specifically named in Part-I

1	2	3	4
	Group 5-Flammable Chemicals		
1	Flammable gases: Substances which in the gaseous state normal pressure and mixed with air become flammable and the boiling point of which at normal pressure is 20°C or below;	15 t	200 t
2	Highly flammable liquids: Substances which have a flash point lower than 23°C and the boiling point Of which at normal pressure is above 20°C;	1000 t	50,000 t
3	Flammable liquids: Substances which have a Rash point lower than 65ø C and which remain liquid under pressure, where particular processing conditions, such as high pressure and high temperature, may create major accident hazards.	25 t	200 t

(a) The quantities set-out-below relate to each installation or group of installations belonging to the same occupier where the distance between the installations is not sufficient to avoid, in foreseeable circumstances, any aggravation of major-accident hazards. These quantities apply in any case to each group of

installations belonging to the same occupier where the distance between the installations is less than 500 metres.

(b) For the purpose of determining the threshold quantity of a hazardous chemical in an industrial installation, account shall also be taken of any hazardous chemicals which is:-

(i) in that part of any pipeline under the control of the occupier have control of the site, which is within 500 metres off that site and connected to it;

(ii) at any other site under the control of the same occupier any part of the boundary of which is within 500 metres of the said site; and

(iii) in any vehicle, vessel, aircraft or hovercraft under the control of the same occupier which is used for storage purpose either at the site or within 500 metres of it;

but no account shall be taken of any hazardous chemical which is in a vehicle, vessel, aircraft or hovercraft used for transporting it.

(c) This applies to ammonium nitrate and mixtures of ammonium nitrate where the nitrogen content derived from the ammonium nitrate is greater than 28% by weight and aqueous solutions of ammonium nitrate where the concentration of ammonium nitrate is greater than 90% by weight.

(d) This applies to straight ammonium nitrate fertilizers and to compound fertilizers where the nitrogen content derived from the ammonium nitrate is greater than 28% by weight (a compound fertilizer contains ammonium nitrate together with phosphate and/or potash).