

NOTIFICATION

New Delhi, the 24th March, 1992

S.O. 227(E) - In exercise of the powers conferred by clause (d) of Section 2 of the Public Liability Insurance Act, 1991 (6 of 1991), the Central Government hereby specifies the quantities shown in column 3 of the Table below for which or exceeding which every owner handling the hazardous substance mentioned in the corresponding entry in column thereof shall take out insurance policy as per the provisions of the said Act.

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LIST OF CHEMICALS WITH QUANTITIES FOR APPLICATION OF PUBLIC LIABILITY INSURANCE ACT

Sl. No.	Name of hazardous substance	Quantity	CAS Chemicals Abstract service number
1	2	3	4
PART - I			
GROUP 1-TOXIC CHEMICALS			
1.	Aldicarb	100 kg	116-06-3
2.	4-Aminodiphenyl	1 kg	92-67-1
3.	Amiton	1 kg	78-53-5
4.	Anabasine	100 kg	494-52-0
5.	Arsenic pentoxide, Arsenic (V) acid and salts	500 kg	
6.	Arsenic trioxide, Arscius (III) acid & salts	100 kg	
7.	Arsine (Arsenic hydride)	10 kg	7784-42-1
8.	Azinpho-ethyl	100 kg	2642-71-9
9.	Azinpho-methyl	100 kg	86-50-0
10.	Benzidine	1 kg	92-87-5
11.	Benzidine salts	1 kg	-
12.	Beryllium (powders & 'Compounds')	10 kg	-
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.	Chlorfenvinphos	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 t	-

* As per S.O.227(E), dated 24.3.1992 corrected by Corrigendum Notification No.S.O.283(E), dated 21.4.1993.

Sl. No.	Name of hazardous substance	Quantity	CAS Chemicals Abstract service number
1	2	3	4
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-ethylsuphinylmethyl phosphorothioate	100 kg	2588-05-8
27.	OO-Diethyl S-ethylsophonylmethyl phosphorothioate	100 kg	2588-06-9
28.	OO-Diethyl S-ethylthiomethyl Phosphorothioate	100 kg	2600-69-3
29.	OO-Diethyl S-isopropylthiomethyl phosphorodithioate	100 kg	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 phosphoramidocynicidic 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.	Fluenetil	100 kg	4301-50-2
41.	Fluoroacetic acid,	1 kg	144-49-0
42.	Fluoroacetic acid, salts	1 kg	
43.	Fluoroacetic acid, esters	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	

Sl. No.	Name of hazardous substance	Quantity	CAS Chemicals Abstract service number
1	2	3	4
54.	4-Fluoro-2-hydroxy butyric 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)	100 kg	107-16-4
58.	1, 2, 3, 7, 8, 9,-Hexachlorodibenzo-p-dioxine	100 kg	19408-74-3
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-Methylene bis (2-chloroniline)	10 kg	101-14-4
65.	Methyl isocynate	150 kg	624-83-9
66.	Mevinphos	100 kg	7786-34-7
67.	2-Naphthylamine	1 kg	91-59-8
68.	Nickel (metal oxides, carbonates , sulphide as powders)	1 t	-
69.	Nickel tetracarbonyl	10 kg	13463-39-3
70.	Oxydisulfoton	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	13171-21-6
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	1120-71-4
83.	1-Propene-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	10102-18-4
87.	Stibine (Antimony hydride)	100 kg	7803-52-3
88.	Sulfotep	100 kg	10545-99-0

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1	2	3	4
89.	Sulphur dichloride	1 t	3689-24-5
90.	Tellurium hexafluoride	100 kg	7783-80-4
91.	TEPP	100 kg	107-49-3
92.	2, 3, 7, 8-Tetrachlorodibenzo-p-dioxine (TCDD)	1 kg	1746-01-6
93.	Tetramethylenedisulphotetramine	1 kg	80-12-6
94.	Thionazin	100 kg	297-97-2
95.	Tirpate (2, 4-Dimethyl-1, 3-dithiolane-2-carboxaldehyde O-methylcarbarmoyloxime)	100 kg	26419-73-8
96.	Trichloromethanesulphenyl chloride	100 kg	594-42-3
97.	1-Tri (cyclohexyl) stannyl-1,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.	Acetone cyanohydrin (2-Cyanopropane2-1)	200 t	75-86-5
101.	Acrolein (2-Propenal)	20 t	107-02-8
102.	Acrylonitrile	20 t	107-13-1
103.	Allyl alcohol (Propen-1-ol)	200 t	107-18-6
104.	Allylamine	200 t	107-11-9
105.	Ammonia	50 t	7664-41-7
106.	Bromine	40 t	7726-95-6
107.	Carbon disulphide	20 t	75-15-0
108.	Chlorine	10 t	7782-50-5
109.	Diphenyl methane 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 $\geq 90\%$)	5 t	50-00-0
113.	Hydrogen cyanide	5 t	74-90-8
114.	Hydrogen chloride (liquified gas)	25 t	7647-01-0
115.	Hydrogen fluoride	5 t	7664-39-3
116.	Hydrogen sulphide	5 t	7783-06-4
117.	Methyl bromide (Bromomethane)	20 t	74-83-9
118.	Nitrogen oxides	50 t	11104-93-1
119.	Propyleneimine	50 t	75-55-8
120.	Sulphur dioxide	20 t	7446-09-5
121.	Sulphur trioxide	15 t	7446-11-9
122.	Tetraethyl lead	5 t	78-00-2 75-74-1

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1	2	3	4
123.	Tetramethyl lead	5 t	584-84-9
124.	Toluene 2, di-isocyanate (TDI)	10 t	75-01-4
GROUP 3- HIGHLY REACTIVE CHEMICALS			
125.	Acetylene (ethyne)	5 t	74-86-2
126.	(a) Ammonium nitrate (1) (b) Ammonium nitrate in the form of fertilizers (2)	350 t 1250 t	6484-52-2
127.	2,2-Bis (tert-butylperoxy) butane (concentration $\geq 70\%$)	5 t	2167-23-9
128.	1,1-Bis (tert-butylperoxy) cyclohexane (concentration $\geq 80\%$)	5 t	3006-86-8
129.	tert-Butyl peroxyacetate (concentration $\geq 70\%$)	5 t	107-71-1
130.	tert-Butyl peroxyisobutyrate (concentration -in $\geq 80\%$)	5 t	109-13-7
131.	tert-Butyl peroxy isopropyl carbonate (concentration-in $\geq 80\%$)	5 t	2372-21-6
132.	terty-Butyl peroxy maleate (concentration $\geq 80\%$)	5 t	1931-62-0
133.	tert-Butyl peroxy pivalate (concentration $\geq 77\%$)	50 t	927-07-1
134.	Dibenzyl peroxydicarbonate (concentration $\geq 90\%$)	5 t	2144-45-8
135.	Di-sec-butyl peroxydicarbonate (concentration $\geq 80\%$)	5 t	19910-65-7
136.	Diethyl peroxydicarbonate (concentration $\geq 30\%$)	50 t	14666-78-5
137.	2,2-Dihydroperoxypropane (concentration $\geq 30\%$)	50 t	2614-76-08
138.	Di-isobutryl peroxide (concentration $\geq 50\%$)	5 t	3437-84-1
139.	Di-n-propyl peroxydicarbonate (concentration $\geq 80\%$)	5 t	16066-38-9
140.	Ethylene oxide	5 t	75-21-8
141.	Ethyl nitrate	50 t	625-58-1
142.	3,3,6,6,9,9-Hexamethyl-1, 2, 4,5-tetra-oxacyclononane (concentration $\geq 75\%$)	50 t	22397-33-7
143.	Hydrogen	2 t	1333-74-0
144.	Liquid Oxygen	200 t	7782-44-7
145.	Methyl ethyl ketone peroxide (concentration $\geq 60\%$)	5 t	1338-23-4
146.	Methyl isobutyl ketone peroxide (concentration $\geq 60\%$)	50 t	37206-20-5
147.	Peracetic acid (concentration $\geq 60\%$)	50 t	79-21-0

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1	2	3	4
148.	Propylene oxide	5 t	75-56-9
149.	Sodium chlorate	25 t	7775-09-9
GROUP 4- EXPLOSIVE SUBSTANCES			
150.	Barium azide	50 t	18810-58-7
151.	Bis (2, 4, 6-trinitrophenyl amine)	50 t	131-173-7
152.	Chlorotrinitrobenzene	50 t	28260-61-9
153.	Cellulose nitrate (Containing 12.6% Nitrogen)	50 t	9004-70-0
154.	Cyclotetramethylenetetranitramine	50 t	2691-41-0
155.	Cyclotrimethylenetiranitramine	50 t	121-82-1
156.	Diazodinitrophenol	10 t	7008-81-3
157.	Diethylene glycol dinitrate	10 t	693-21-0
158.	Dinitrophenol, salts	50 t	-
159.	Ethylene glycol dinitrate	10 t	628-96-6
160.	1-Gyanyl-4nitrosaminogyanyl-1-tetrazene	10 t	109-27-3
161.	2, 2, 4, 4, 6, 6-Hexanitrostilbene	50 t	20062-22-0
162.	Hydrazine nitrate	50 t	13464-97-6
163.	Lead azide	50 t	13424-46-9
164.	Lead styphnate (Lead 2, 4, 6-trinitroresorcinoxide)	50 t	15424-44-0
165.	Mercury fulminate	10 t	20820-54-5 628-86-4
166.	N-Methyl-N,2, 4, 6-tetranitroaniline	50 t	479-45-8
167.	Nitroglycerine	10 t	55-63-0
168.	Pentacrythritol tetranitrate	50 t	78-11-5
169.	Picric acid (2, 3, 6-Trinitrophenol)	50 t	88-89-1
170.	Sodium picramate	50 t	831-52-7
171.	Styphnic acid (2, 4, 6- Trinitroresorcinol)	50 t	82-71-3
172.	1, 3,5-Triamino-2, 4, 6-trinitrobenzene	50 t	3058-38-6
173.	Trinitroaniline	50 t	26952-42-1
174.	2, 4, 6-Trinitroanisole	50 t	606-35-9
175.	Trinitrobenzene	50 t	25377-32-6
176.	Trinitrobenzoic acid	50 t	35860-50-5 129-66-8
177.	Trinitroresol	50 t	28905-71-7
178.	2, 4, 6-Trinitrophenitole	50 t	24732-14-3
179.	2, 4, 6-Trinitrotoluene	50 t	118-96-7

PART -II

CLASSES OF HAZARDOUS SUBSTANCES NOT SPECIFICALLY NAME IN PART - I

(1)	(2)	(3)	(4)
GROUP 5-FLAMMABLE SUBSTANCES			
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 is 20°C or below;	15 t	-
2.	Highly flammable liquids: Substances which have flash point lower than 23°C and the boiling point of which at normal pressure is above 20°C;	1000 t	-
3.	Flammable liquids: Substances which have a flash point lower than 65°C and which remain liquid under pressure, where particular processing conditions, such as high pressure and high temperature may create Major accident hazardous.	25 t	-